PayPal™

SOAP API Developer Reference

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SOAP API Developer Reference

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Preface

About This Guide

The *SOAP API Developer Reference* describes the PayPal SOAP API.

Intended Audience

This guide is written for developers who are implementing solutions using the SOAP API. It is written for developers who are implementing solutions using the SOAP API.

What's New in Version 71.0

Changes to PaymentInfoType in DoExpressCheckoutPayment Response

PaymentInfoType Fields

Field	Description
`PaymentStatus`	New value `ebl:PaymentStatusCodeType` The status of the payment: • `Completed-Funds-Held`: The payment has been completed, and the funds have been added successfully to your pending balance.
`HoldDecision`	New field `xs:string` This field is available since version 71.0 and is returned only if `PaymentStatus` is `Completed-Funds-Held`. Is one of the following values: • `newsellerpaymenthold` -This is a new seller. • `paymenthold` -A hold is placed on the seller's transaction for a reason not listed.

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Changes to SellerDetailsType in DoExpressCheckoutPayment Response

SellerDetailsType Fields

Field	Description
`SecureMerchantAccountID`	`xs:useridtype` Unique PayPal customer account number (of the seller). This field is returned in the response. This field is ignored if passed in the request.

Where to Go for More Information

- Express Checkout Integration Guide
- Express Checkout Advanced Features Guide
- Merchant Setup and Administration Guide

Documentation Feedback

Help us improve this guide by sending feedback to:

`documentationfeedback@paypal.com`

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1 PayPal SOAP API Overview

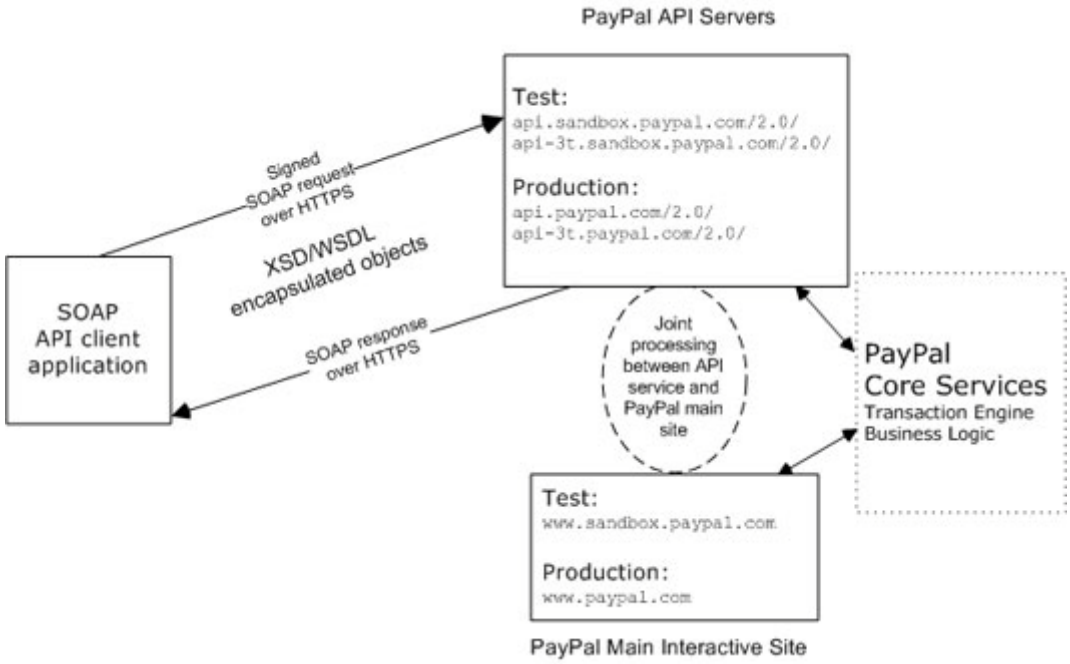
The PayPal SOAP API provides programmatic access to PayPal features and services.

Developers can build custom applications, tools, and services that correspond to the same services and tools available through the main PayPal website, `https://www.paypal.com/`. Typical applications include searching for transactions, paying en masse, and making refunds.The API is based on open standards known collectively as “Web Services,” which include the Simple Object Access Protocol (SOAP), Web Services Definition Language (WSDL), and the XML Schema Definition language (XSD). These standards are supported by a wide range of development tools on a variety of platforms.

Services Architecture

Like many web services, PayPal SOAP is a combination of client-side and server-side schemas, hardware and software servers, and core services.

PayPal SOAP High-level Diagram



In an object-oriented processing model, the interface to SOAP requests/responses is an object in your application’s native programming language. Your third-party SOAP client generates business-object interfaces and network stubs from PayPal-provided WSDL and XSD files that specify the PayPal SOAP message structure, its contents, and the PayPal API service bindings.

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A business application works with data in the form of object properties to send and receive data by calling object methods. The SOAP client handles the details of building the SOAP request, sending it to the PayPal service, and converting the response back to an object.

PayPal WSDL/XSD Schema Definitions

The PayPal Web Services schema and its underlying eBay Business Language (eBL) base and core components are required for developing applications with the PayPal Web Services API. The following are the locations of the WSDL and XSD files.

Location of PayPal WSDL and XSD Files

Development and Test with the PayPal Sandbox API Service	
PayPal Schema	https://www.sandbox.paypal.com/wsdl/PayPalSvc.wsdl
eBL Base Components and Component Types	https://www.sandbox.paypal.com/wsdl/eBLBaseComponents.xsd https://www.sandbox.paypal.com/wsdl/CoreComponentTypes.xsd
Production with Live PayPal Web Services API Service	
PayPal Schema	https://www.paypal.com/wsdl/PayPalSvc.wsdl
eBL Base Components and Component Types	http://www.paypal.com/wsdl/eBLBaseComponents.xsd http://www.paypal.com/wsdl/CoreComponentTypes.xsd

API Concepts and Terminology

Here are some basic concepts and terminology relating to PayPal's API service and security authentication.

Basic PayPal API Set-up Concepts and Terminology

Term	Definition
API Calls	PayPal Application Programming Interface services, by which companies can make payments, search transactions, refund payments, view transaction information, and other business functions.
API Certificate	Mutually exclusive with API Signature. A PayPal-generated unique digital certificate file that you download from the PayPal website and use on the client computer to encrypt the HTTPS requests of your API calls to PayPal's API server. An API certificate is suitable if you have complete control over your own web server.
API Signature	Mutually exclusive with API Certificate. A PayPal-generated unique digital signature (a line of text, or hash) that you copy from PayPal's website and include in your API calls. An alternative to API Certificate security. Your digital signature, your API username, and your API password all together are called three-token authentication, because you include each of them as a programmatic token in your API calls. An API signature is suitable for use with Microsoft Windows web servers or other shared web server configurations, such as those used by web hosting services.

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Term	Definition
API Username and Password	A PayPal-generated identifying account name and password that you use specifically for making API calls. You include your API username and password with every API call. The API username and password are different from your PayPal login username (email address) and password.
Subject authorization	An indicator in an API call of the account for whom the call is being made. This is the programmatic aspect of third-party authorization. The value of the Subject field is the third-party's Paypal email address.
First-Party Access	A company makes API calls itself from its own server to PayPal's server. The company has its own API certificate or API signature, username, and password. Example: A staff programmer for a merchant's company obtains a PayPal-issued API certificate file and makes API calls for the company from the company's own web server.
Third-Party Access	Another person or company makes API calls on the your behalf. You grant the third-party your permission to make API calls for you. Example: A web hosting service has its own API certificate, API username, and API password. Its customers, who are merchants that use PayPal, give the hosting service their permission to make API calls on their behalf. The hosting service includes a merchant's PayPal email address in the "Subject" field of an API call.

Security

The PayPal SOAP API service is protected to ensure that only authorized PayPal members use it. There are four levels of security:

1. A required API username (Username field) and API password (Password field)
2. A third required authentication mechanism, which is either one of the following:
   - Client-side request signing via a PayPal-issued API Certificate
   - Request authentication via an API Signature included in the request (Signature field)
3. An optional third-party authorization to make the API call on some other account's behalf (the optional Subject field).
4. Secure Sockets Layer (SSL) data transport

A failure of authenticated security at any one of these levels denies access to the PayPal SOAP API service.

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SOAP RequesterCredentials: Username, Password, Signature, and Subject

For the security of your business, PayPal must verify that merchants or third-party developers are permitted to initiate a transaction before they make one. PayPal authenticates each request. If the request cannot be authenticated, a SOAP security fault is returned.

In the SOAP request header, your SOAP client must set the `Username`, `Password` elements to pass an API username/password combination. In addition, you can set the `Signature` or `Subject` elements to specify your API signature string and an optional third-party account email address for authentication. The following is a partial example of the RequesterCredentials elements required for all SOAP requests. For a correlation of these elements to the generic structure of an entire SOAP request, see "Request Structure" on page 16.

```
<SOAP-ENV:Header>
     <RequesterCredentials xmlns="urn:ebay:api:PayPalAPI"
xsi:type="ebl:CustomSecurityHeaderType">
<Credentials xmlns="urn:ebay:apis:eBLBaseComponents"
xsi:type="ebl:UserIdPasswordType">
<Username>api_username</Username>
<Password>api_password</Password>
<Signature>api_signature</Signature>
<Subject>authorizing_account_emailaddress</Subject>
</Credentials>
</RequesterCredentials>
</SOAP-ENV:Header>
```

where:

RequesterCredentials Authentication Elements in SOAP Header

Element	Value	Description
<Username>	api_username	Your API username, which is auto-generated by PayPal when you apply for a digital certificate to use the PayPal SOAP API. You can see this value on https://www.paypal.com/ in your **Profile** under **API Access** > **API Certificate Information**.
<Password>	api_password	Your API password, which you specify when you apply for a digital certificate to use the PayPal SOAP API.
<Signature>	api_signature	Your API signature, if you use one instead of an API Certificate.
<Subject>	authorizing_account_emailaddress	The email address of a third-party for whom you are sending requests to the PayPal SOAP API. Your API username must have been granted permission by this third-party to make any particular PayPal API request.

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SOAP Service Endpoints

Depending on your chosen authentication mechanism, your SOAP requests must be processed by different service endpoints.

SOAP Service Endpoints

Authentication Mechanism	Live Production Endpoint	Test (Sandbox) Endpoint
API Signature	https://api-3t.paypal.com/2.0/	https://api-3t.sandbox.paypal.com/2.0/
API Certificate	https://api.paypal.com/2.0/	https://api.sandbox.paypal.com/2.0/

SOAP Implementation

This section contains information about the PayPal SOAP implementation.

SOAP Message Style: doc-literal

PayPal uses `doc-literal` SOAP messaging, not `rpc-encoding`. With `doc-literal`, a single service interface call passes an XML document in the request to the PayPal API server, which responds with an XML document instance.

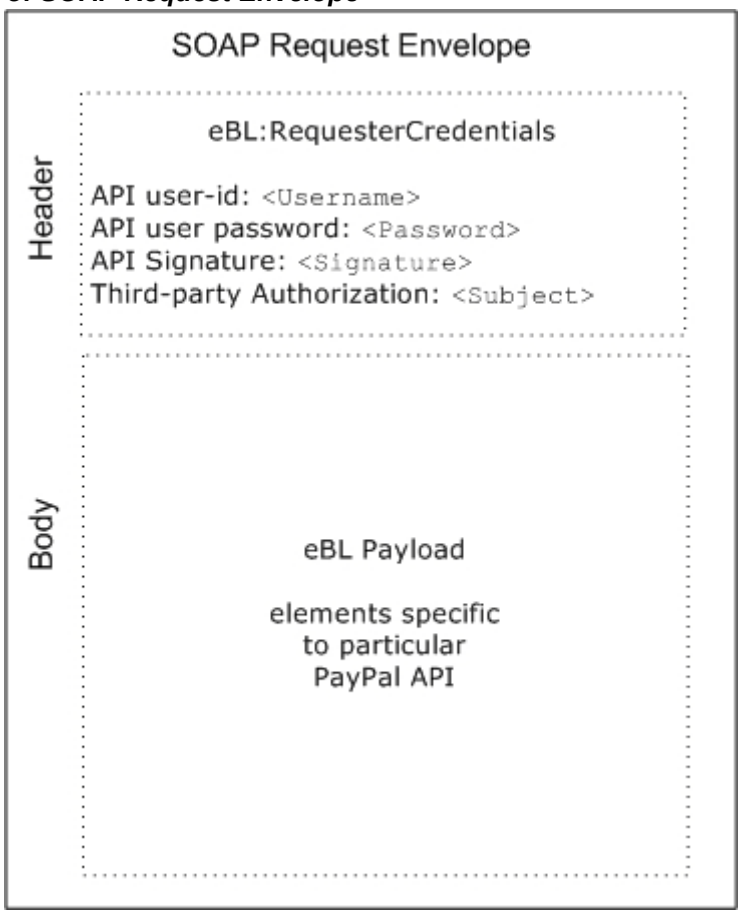
SOAP Request Envelope

The following diagram illustrates the contents of a PayPal SOAP request envelope.

All PayPal APIs are based on two core structures: `AbstractRequestType` and `AbstractResponseType`.

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Diagram of SOAP Request Envelope



Request Structure

The following is an annotated description of the SOAP request structure required by the PayPal SOAP API.

General Structure of PayPal API SOAP Request

```
<?xml version="1.0" encoding="UTF-8"?>
<SOAP-ENV:Envelope xmlns:xsi= "  http://www.w3.org/2001/XMLSchema-instance"
     xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
     xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
     SOAP-ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
><SOAP-ENV:Header>
     <RequesterCredentials xmlns="urn:ebay:api:PayPalAPI">
<Credentials xmlns="urn:ebay:apis:eBLBaseComponents">
<Username>api_username</Username>
<Password>api_password</Password>
```


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```
<Signature/>
<Subject/>
</Credentials>
</RequesterCredentials>
</SOAP-ENV:Header>
<SOAP-ENV:Body>
<specific_api_name_Req xmlns="urn:ebay:api:PayPalAPI">
<specific_api_name_Request>
<Version xmlns=urn:ebay:apis:eBLBaseComponents">service_version
</Version>
<required_or_optional_fields xsi:type="some_type_here">data
</required_or_optional_fields>
</specific_api_name_Request>
</specific_api_name_Req>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Annotation of Generic SOAP Request

Lines	Comment
12, 13	The <Username> and <Password> fields are part of the PayPal SOAP API <RequesterCredentials> security authentication mechanism you must construct for every SOAP request header. For details, see "RequesterCredentials Authentication Elements in SOAP Header" on page 14.
14	The <Signature> element should include your API signature string if that is the kind of API credential you are using. For more details, see "RequesterCredentials Authentication Elements in SOAP Header" on page 14.
15	The <Subject> element can specify a third-party PayPal account by whom you are authorized to make this request. For more details, see "RequesterCredentials Authentication Elements in SOAP Header" on page 14.
19 through 27	The SOAP request for every PayPal API follows this element naming pattern. The API's specific name is appended with Req, and in this element the specific_api_name_Request is nested. Each specific_api_name_Request has a corresponding specific_api_name_RequestType.
22	The number of the PayPal SOAP API version is required on each SOAP request. This version number is the value of ns:version in https://www.paypal.com/wsdl/PayPalSvc.wsdl.
24	For details about required and optional elements and values for specific requests, see the description of individual APIs.

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Response Structure

The following is an annotated description of the structure of a SOAP response from the PayPal API where response is Success:

```
<?xml version="1.0"?>
<SOAP-ENV:Envelope
     xmlns:SOAP-ENV= "http://schemas.xmlsoap.org/soap/envelope/"
     xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/"
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
     xmlns:xsd="http://www.w3.org/2001/XMLSchema"
     xmlns:xs="http://www.w3.org/2001/XMLSchema"
     xmlns:cc="urn:ebay:apis:CoreComponentTypes"
     xmlns:wsu="http://schemas.xmlsoap.org/ws/2002/07/utility"
     xmlns:saml="urn:oasis:names:tc:SAML:1.0:assertion"
     xmlns:ds="http://www.w3.org/2000/09/xmldsig#"
     xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/12/secext"
     xmlns:ebl="urn:ebay:apis:eBLBaseComponents"
     xmlns:ns="urn:ebay:api:PayPalAPI">
     <SOAP-ENV:Header>
        <Security
           xmlns="http://schemas.xmlsoap.org/ws/2002/12/secext"
           xsi:type="wsse:SecurityType"
        />
        <RequesterCredentials xmlns="urn:ebay:api:PayPalAPI"
           xsi:type="ebl:CustomSecurityHeaderType">
           <Credentials
              xmlns="urn:ebay:apis:eBLBaseComponents"
              xsi:type="ebl:UserIdPasswordType"
           />
        </RequesterCredentials>
     </SOAP-ENV:Header>
     <SOAP-ENV:Body id="_0">
        <specific_api_name_Response xmlns="urn:ebay:api:PayPalAPI">
<Timestamp xmlns="urn:ebay:api:PayPalAPI">dateTime_in_UTC/GMT
</TIMESTAMP>
<Ack xmlns="urn:ebay:apis:eBLBaseComponents">Success</Ack>
<Version xmlns="urn:ebay:apis:eBLBaseComponents">
serviceVersion
</Version>
<CorrelationId xmlns="urn:ebay:apis:eBLBaseComponents">
applicationCorrelation
</CorrelationID>
<Build xmlns="urn:ebay:apis:eBLBaseComponents">
api_build_number
</Build>
<elements_for_specific_api_response>data
</elements_for_specific_api_response>
</specific_api_name_Response>
</SOAP-ENV:Body>
```


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```
</SOAP-ENV:Envelope>
```

Annotation of Generic SOAP Response

Lines	Comment
22 and 31	The specific_api_name_`Response` start and end elements.
23	Each API response contains a timestamp with its date and time in UTC/GMT.
24	The `<Ack>` element contains the string `Success` after the corresponding request has been successfully processed. In the case of errors, Ack is set to a value other than `Success`, and the response body contains an `<Errors>` element with information to help you troubleshoot the cause of the error. See "Error Responses" on page 19.
26	The `<CorrelationID>` element contains information about the PayPal application that processed the request. Use the value of this element if you need to troubleshoot a problem with one of your requests.
27 through 30	The different PayPal APIs return different structures depending on their response definitions. For detailed information, see the description of the individual APIs. **NOTE:** Because a field is defined in the formal structure of an API response does not mean that that field is necessarily returned. Data are returned in a response only if PayPal has recorded data that corresponds to the field.

Error Responses

If a request is malformed or some other error, the body of the SOAP response contains an `<Errors>` element with other elements that can help you troubleshoot the cause of the error. The most important of these additional elements are as follows:

- `ShortMessage`
- `LongMessage`
- `ErrorCode`

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The following example shows the error response if your API username and password do not match a legitimate API username and password on file with PayPal.

Example of SOAP Error Response: Bad Username or Password

```
<?xml version="1.0" encoding="UTF-8"?>
<      S O A P  -  ENV: Envelope Details Not Shown>
<S OAP-ENV:Header>... details not shown.</SOAP-ENV:Header>
<SOAP-ENV:Body id="_0">
<GetTransactionDetailsResponse xmlns="urn:ebay:api:PayPalAPI">
<Timestamp xmlns="urn:ebay:apis:eBLBaseComponents">
2005-02-09T21:51:26Z
</Timestamp>
<Ack xmlns="urn:ebay:apis:eBLBaseComponents">Failure</Ack>
<Errors
xmlns="urn:ebay:apis:eBLBaseComponents"
xsi:type="ebl:ErrorType">
<ShortMessage xsi:type="xs:string">
Authentication/Authorization Failed
</ShortMessage>
<LongMessage xsi:type="xs:string">
Username/Password is incorrect
</LongMessage>
<ErrorCode xsi:type="xs:token">10002</ErrorCode>
<SeverityCode xmlns="urn:ebay:apis:eBLBaseComponents">
Error          </SeverityCode>
</Errors>
<CorrelationID xmlns="urn:ebay:apis:eBLBaseComponents">
debugging_info
</CorrelationID>
<Version xmlns="urn:ebay:apis:eBLBaseComponents">
1.000000
</Version>
<Build xmlns="urn:ebay:apis:eBLBaseComponents">1.0006</Build>.. other elements in
response.</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

CorrelationID for Reporting Problems to PayPal

The value returned in `CorrelationID` is important for PayPal to determine the precise cause of any error you might encounter. If you have to troubleshoot a problem with your requests, we suggest that you capture the value of `CorrelationID` so you can report it to PayPal.

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PayPal SOAP API Definitions

The PayPal SOAP API comprises individual API definitions for specific business functions. As a foundation, the API relies on eBay Business Language (eBL) base and core components. The core eBL structures `AbstractRequestType` and `AbstractResponseType` are the basis of the SOAP request and response of each PayPal API. `AbstractResponseType` is also the framework for error messages common across all PayPal APIs.

PayPal has made some schema design decisions that can affect how businesses design their own applications.

- Enumerations: Enumerations are defined directly in the PayPal API schema.
- Troubleshooting information: The PayPal API returns information about elements that trigger errors.
- Backward compatibility: The PayPal API is versioned so that business applications are backward compatible when new elements are introduced to the server-side schema.

NOTE: eBL defines many structures that are specific to processing auctions. PayPal's SOAP schema includes these definitions to maintain compatibility with eBay's SOAP and for possible future joint use of SOAP across both eBay and PayPal. The material in this book focuses only on those SOAP definitions pertinent to use of the PayPal SOAP API.

Character Encoding, Data Types and Formats, and Currencies

This section details allowed character encoding and character sets, date data types, and formats.

UTF-8 Character Encoding

The PayPal SOAP API service assumes that all data in SOAP requests is in Unicode, specifically, the Unicode (or UCS) Transformation Format, 8-bit encoding form (UTF-8).

In SOAP responses, the service always returns data in UTF-8.

Date/Time Formats

The PayPal SOAP API schema defines date/time values as Coordinated Universal Time (UTC/GMT), using ISO 8601 format, and of type `ns:dateTime`. An example date/time stamp is 2006-08-24T05:38:48Z

Core Currency Amount Data Type

The core currency amount data type is call BasicAmountType and is derived from string, and all currency amount fields have the following structure:

1. The `currencyID` attribute is required.
2. The amount must have two decimal places.
3. The decimal separator must be a period (".").

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4. You must not use any thousands separator.
5. `BasicAmountType` has a data type of `ebl:CurrencyCodeType`, which defines a large number of different currency codes. However, for your processing to succeed, you must set *currencyCode* to a valid currency code. Some APIs support only a subset of currencies.

Here is an example. (The field name `Amount` is an example; actual field names can vary depending on the specific API.)

```
<Amount currencyID="currencyCode">3.00</Amount>
```

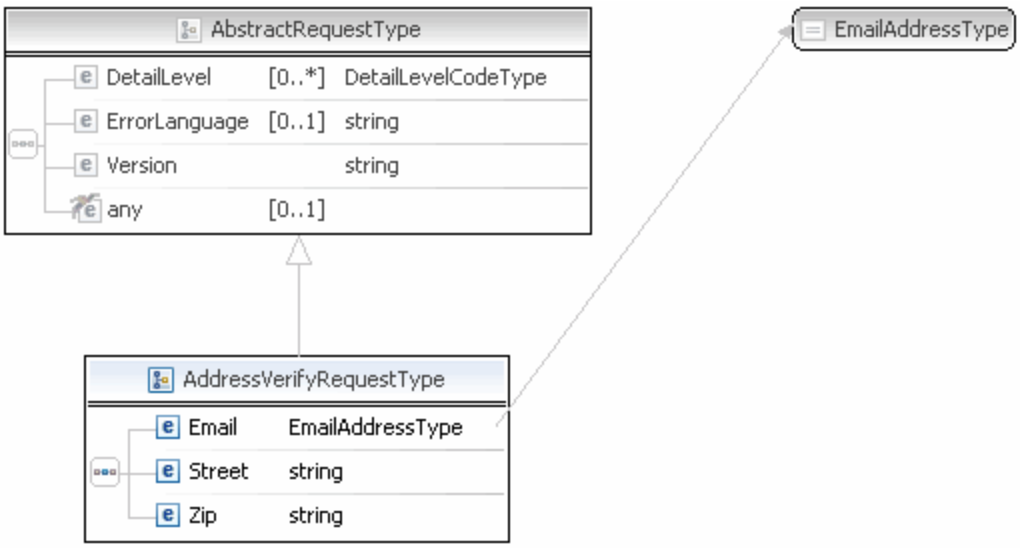

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2 AddressVerify API Operation

Confirms whether a postal address and postal code match those of the specified PayPal account holder.

- "AddressVerify Request Message" on page 23
- "AddressVerify Response Message" on page 24

AddressVerify Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

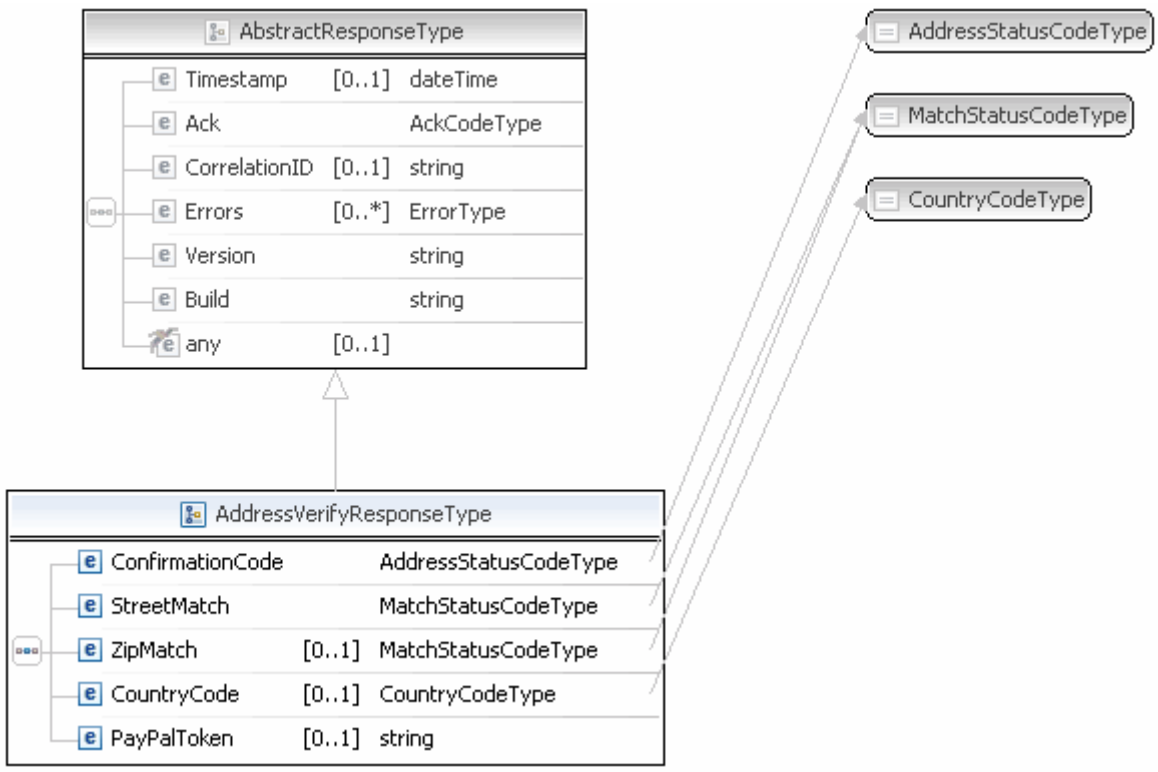
AddressVerifyRequest Fields

Field	Description
`Email`	`ebl:EmailAddressType` *(Required)* Email address of a PayPal member to verify. Maximum string length: 255 single-byte characters Input mask: `?@?.??`

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Field	Description
`Street`	`xs:string` *(Required)* First line of the billing or shipping postal address to verify. To pass verification, the value of `Street` must match the first three single-byte characters of a postal address on file for the PayPal member. Maximum string length: 35 single-byte characters. Alphanumeric plus - , . ‘ # \ Whitespace and case of input value are ignored.
`Zip`	`xs:string` *(Required)* Postal code to verify. To pass verification, the value of `Zip` must match the first five single-byte characters of the postal code of the verified postal address for the verified PayPal member. Maximum string length: 16 single-byte characters. Whitespace and case of input value are ignored.

AddressVerify Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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AddressVerify Response Fields

Field	Description
ConfirmationCode	ebl:AddressStatuscodeType None: The request value of the Email element does not match any email address on file at PayPal. Confirmed: If the response value of the StreetMatch element is Matched, the entire postal address is confirmed. Unconfirmed: PayPal responds that the postal address is unconfirmed. **NOTE:** The values Confirmed and Unconfirmed both indicate that the member email address passed verification.
StreetMatch	ebl:MatchStatusCodeType None: The request value of the Email element does not match any email address on file at PayPal. No comparison of other request values was made. Matched: The request value of the Street element matches the first three single-byte characters of a postal address on file for the PayPal member. Unmatched: The request value of the Street element does not match any postal address on file for the PayPal member.
ZipMatch	ebl:MatchStatusCodeType None: The request value of the Street element was unmatched. No comparison of the Zip element was made. Matched: The request value of the Zip element matches the ZIP code of the postal address on file for the PayPal member. Unmatched: The request value of the Zip element does not match the ZIP code of the postal address on file for the PayPal member.
CountryCode	ebl:CountryCodeType Two-character country code (ISO 3166) on file for the PayPal email address.
PayPalToken	xs:string The token contains encrypted information about the member's email address and postal address. If you pass the value of the token in the HTML variable address_api_token of Buy Now buttons, PayPal prevents the buyer from using an email address or postal address other than those that PayPal verified with this API call. The token is valid for 24 hours. Character length and limitations: 94 single-byte characters.

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3 Authorization and Capture API Operation Reference

This chapter describes the PayPal API operations related to delayed payment settlement:

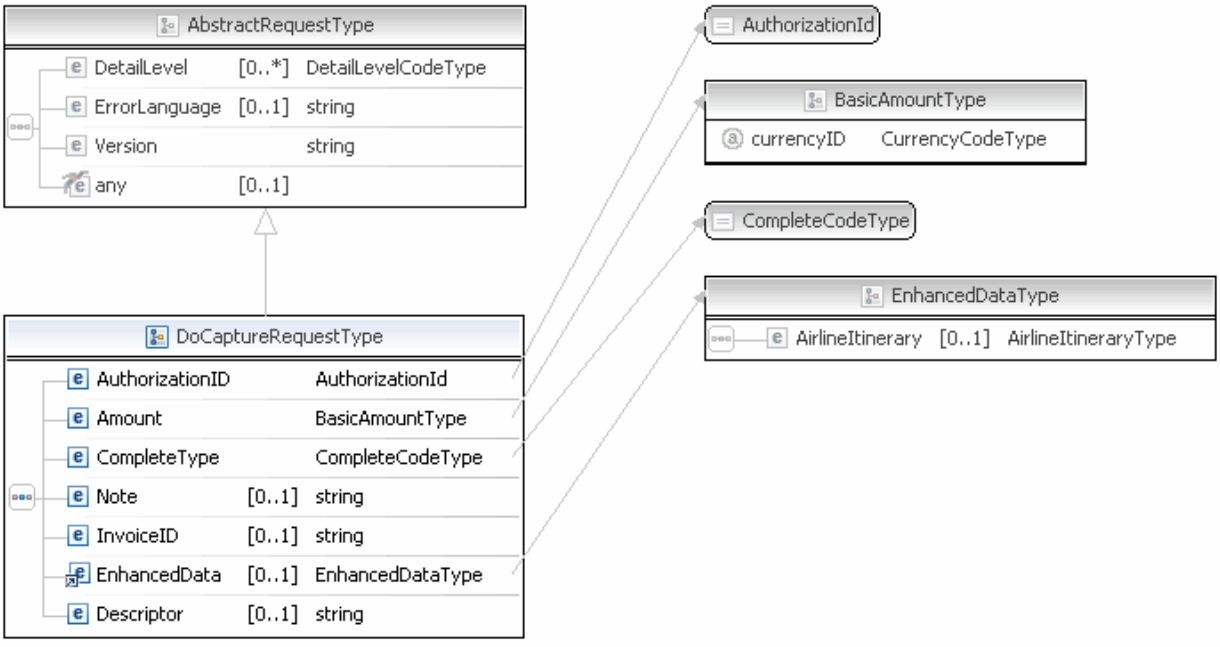
- "DoCapture API Operation" on page 27
- "DoAuthorization API Operation" on page 31
- "DoReauthorization API Operation" on page 35
- "DoVoid API Operation" on page 39

DoCapture API Operation

Capture an authorized payment.

- "DoCapture Request Message" on page 27
- "DoCapture Response Message" on page 29

DoCapture Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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DoCapture Request Fields

Field	Description
`AuthorizationID`	`xs:string` *(Required)* The authorization identification number of the payment you want to capture. This is the transaction id returned from `DoExpressCheckoutPayment` or `DoDirectPayment`. Character length and limits: 19 single-byte characters maximum.
`Amount`	`ebl:BasicAmountType` *(Required)* Amount to capture. Limitations: Value is a positive number which cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`CompleteType`	`ebl:CompleteCodeType` *(Required)* The value `Complete` indicates that this the last capture you intend to make. The value `NotComplete` indicates that you intend to make additional captures. **NOTE:** If `Complete`, any remaining amount of the original authorized transaction is automatically voided and all remaining open authorizations are voided. Character length and limits: 12 single-byte alphanumeric characters.
`InvoiceID`	`xs:string` *(Optional)* Your invoice number or other identification number that is displayed to the merchant and customer in his transaction history. **NOTE:** This value on `DoCapture` will overwrite a value previously set on `DoAuthorization`. **NOTE:** The value is recorded only if the authorization you are capturing is an order authorization, not a basic authorization. Character length and limits: 127 single-byte alphanumeric characters.
`Note`	`xs:string` *(Optional)* An informational note about this settlement that is displayed to the payer in email and in his transaction history. Character length and limits: 255 single-byte characters.

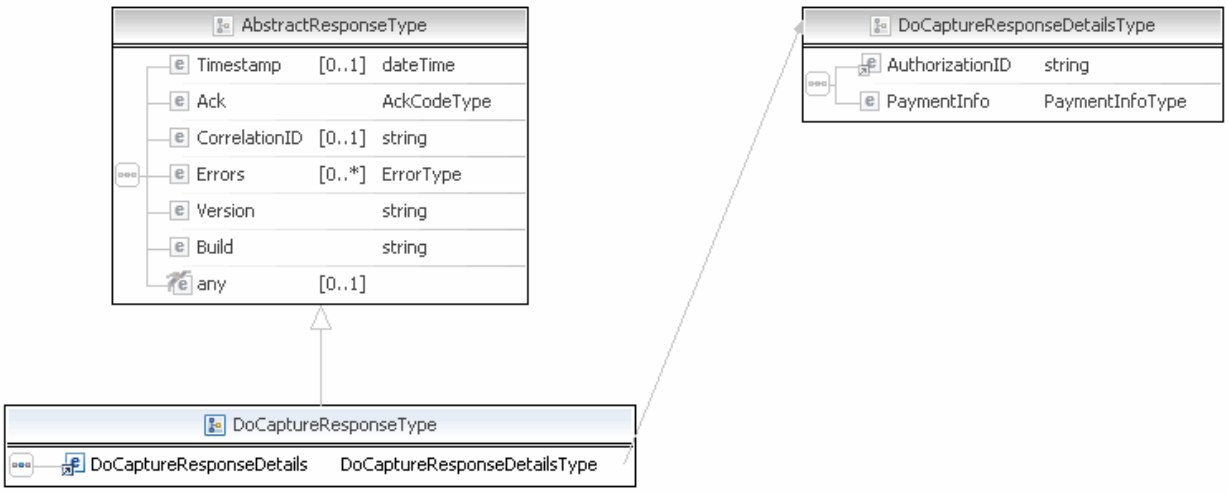
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Field	Description
SoftDescriptor	xs:string *(Optional)* The soft descriptor is a per transaction description of the payment that is passed to the consumer's credit card statement. If a value for the soft descriptor field is provided, the full descriptor displayed on the customer's statement has the following format: <PP * | PAYPAL *><Merchant descriptor as set in the Payment Receiving Preferences><1 space><soft descriptor> The soft descriptor can contain only the following characters: • Alphanumeric characters • - (dash) • * (asterisk) • . (period) • {space} If you use any other characters (such as ","), an error code is returned. The soft descriptor does not include the phone number, which can be toggled between the merchant's customer service number and PayPal's customer service number. The maximum length of the total soft descriptor is 22 characters. Of this, either 4 or 8 characters are used by the PayPal prefix shown in the data format. Thus, the maximum length of the soft descriptor passed in the API request is: 22 - len(<PP * | PAYPAL *>) - len(<Descriptor set in Payment Receiving Preferences> + 1) For example, assume the following conditions: • The PayPal prefix toggle is set to PAYPAL * in PayPal's admin tools. • The merchant descriptor set in the Payment Receiving Preferences is set to EBAY. • The soft descriptor is passed in as JanesFlowerGifts LLC. The resulting descriptor string on the credit card would be: PAYPAL *EBAY JanesFlow

DoCapture Response Message

NOTE: If you use version 56.0 or later of the DoCaptue API, only the authorization ID, transaction ID, transaction type, payment date, gross amount and payment status are guaranteed to be returned. If you need the values of other fields and they are not returned, you can obtain their values later by calling GetTransactionDetails or by using the reporting mechanism.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoCapture Response Fields

Field	Description
AuthorizationID	`xs:string` The authorization identification number you specified in the request. Character length and limits: 19 single-byte characters maximum.
`PaymentInfo`	`ebl:PaymentInfoType` Information about the payment.

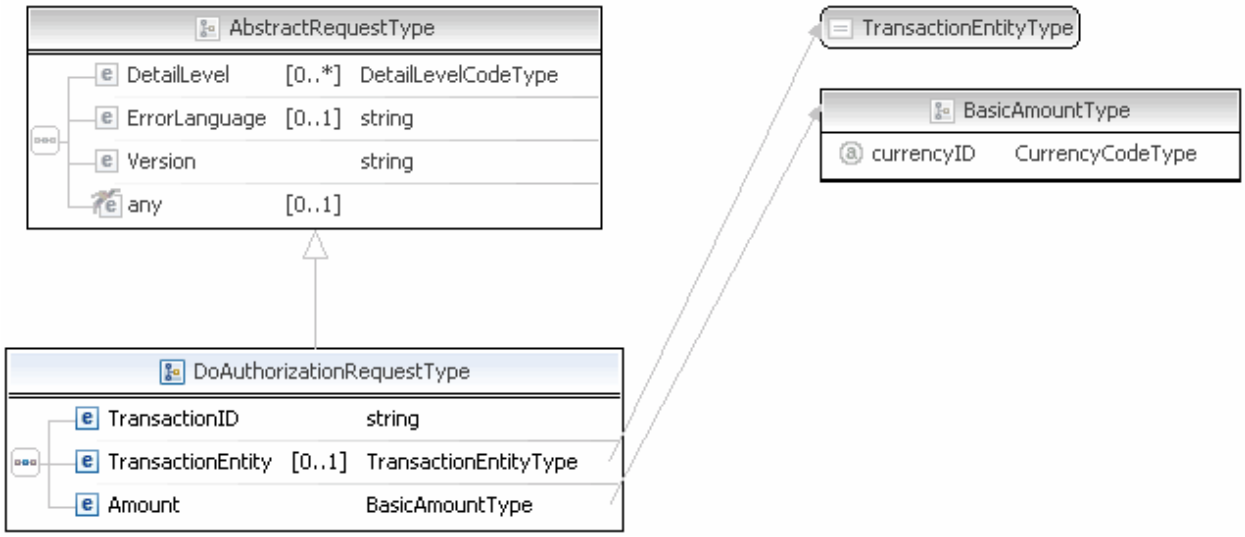
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DoAuthorization API Operation

Authorize a payment.

- "DoAuthorization Request Message" on page 31
- "DoAuthorization Response Message" on page 32

DoAuthorization Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

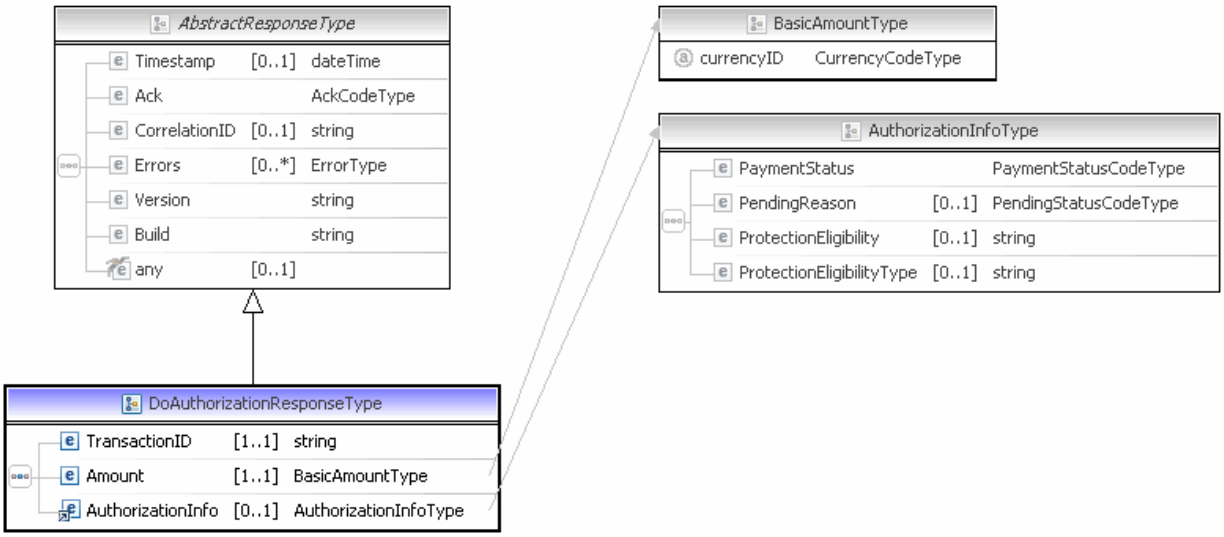
DoAuthorization Request Fields

Field	Description
`TransactionID`	`xs:string` *(Required)* The value of the order's transaction identification number returned by PayPal. Character length and limits: 19 single-byte characters maximum.
`Amount`	`ebl:BasicAmountType` *(Required)* Amount to authorize. Limitations: Value is a positive number which cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).

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Field	Description
`TransactionEntity`	`ebl:TransactionEntityType` *(Optional)* Type of transaction to authorize. The only allowable value is `Order`, which means that the transaction represents a customer order that can be fulfilled over 29 days.

DoAuthorization Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoAuthorization Response Fields

Field	Description
`TransactionID`	`xs:string` An authorization identification number.
`Amount`	`ebl:BasicAmountType` The amount you specified in the request.

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AuthorizationInfo Fields

Field	Description
PaymentStatus	ebl:PaymentStatusCodeType Status of the payment. The status of the payment: • None: No status • Canceled-Reversal: A reversal has been canceled; for example, when you win a dispute and the funds for the reversal have been returned to you. • Completed: The payment has been completed, and the funds have been added successfully to your account balance. • Denied: You denied the payment. This happens only if the payment was previously pending because of possible reasons described for the PendingReason element. • Expired: the authorization period for this payment has been reached. • Failed: The payment has failed. This happens only if the payment was made from your customer's bank account. • In-Progress: The transaction has not terminated, e.g. an authorization may be awaiting completion. • Partially-Refunded: The payment has been partially refunded. • Pending: The payment is pending. See the PendingReason field for more information. • Refunded: You refunded the payment. • Reversed: A payment was reversed due to a chargeback or other type of reversal. The funds have been removed from your account balance and returned to the buyer. The reason for the reversal is specified in the ReasonCode element. • Processed: A payment has been accepted. • Voided: An authorization for this transaction has been voided.

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Field	Description
PendingReason	ebl:PendingStatusCodeType **NOTE:** PendingReason is returned in the response only if PaymentStatus is Pending. The reason the payment is pending: • none: No pending reason. • address: The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the Preferences section of your Profile. • authorization: The payment is pending because it has been authorized but not settled. You must capture the funds first. • echeck: The payment is pending because it was made by an eCheck that has not yet cleared. • intl: The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your Account Overview. • multi-currency: You do not have a balance in the currency sent, and you do not have your Payment Receiving Preferences set to automatically convert and accept this payment. You must manually accept or deny this payment. • order: The payment is pending because it is part of an order that has been authorized but not settled. • paymentreview: The payment is pending while it is being reviewed by PayPal for risk. • unilateral: The payment is pending because it was made to an email address that is not yet registered or confirmed. • verify: The payment is pending because you are not yet verified. You must verify your account before you can accept this payment. • other: The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service.
ProtectionEligibility	xs:string Prior to Version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • Eligible – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payment and Item Not Received • PartiallyEligible – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • Ineligible – Seller is not protected under the Seller Protection Policy

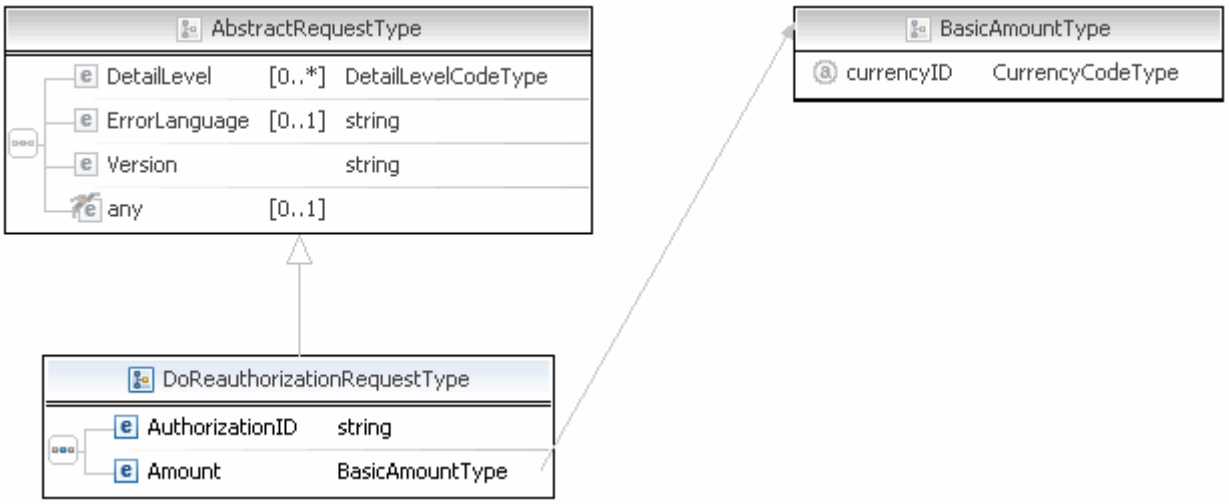
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Field	Description
`ProtectionEligibilityType`	`xs:string` Since Version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • `Eligible` – Seller is protected by PayPal's Seller Protection Policy for both Unauthorized Payment and Item Not Received • `ItemNotReceivedEligible` – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • `UnauthorizedPaymentEligible` – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payment • `Ineligible` – Seller is not protected under the Seller Protection Policy

DoReauthorization API Operation

- "DoReauthorization Request Message" on page 35
- "DoReauthorization Response Message" on page 36

DoReauthorization Request Message



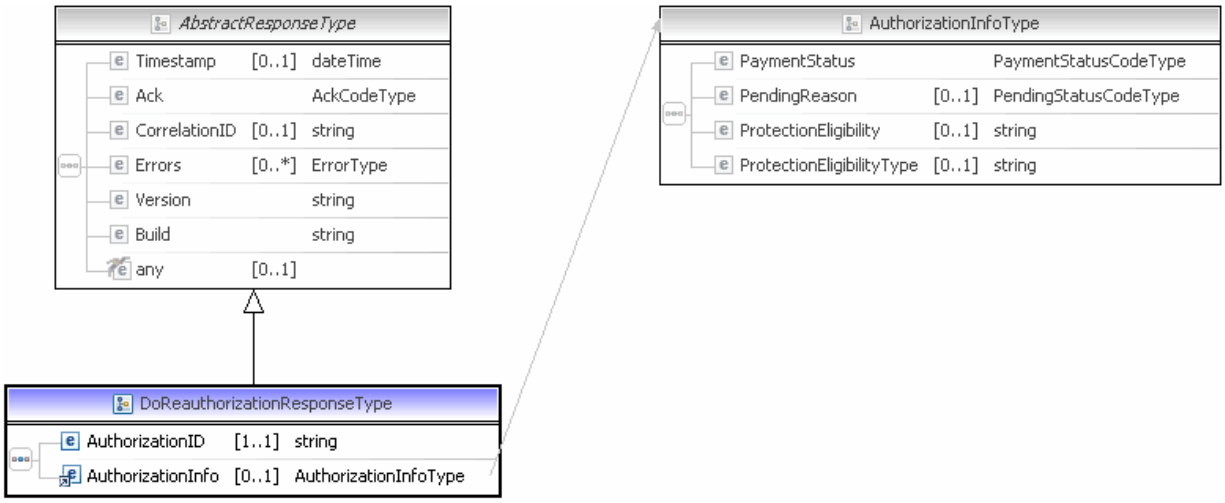
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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DoReauthorization Request Fields

Field	Description
`AuthorizationID`	`xs:string` *(Required)* The value of a previously authorized transaction identification number returned by PayPal. Character length and limits: 19 single-byte characters maximum.
`Amount`	`ebl:BasicAmountType` *(Required)* Amount to reauthorize. Limitations: Value is a positive number which cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).

DoReauthorization Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoReauthorization Response Fields

Field	Description
`AuthorizationID`	`xs:string` A new authorization identification number. Character length and limits:19 single-byte characters maximum.

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AuthorizationInfo Fields

Field	Description
PaymentStatus	ebl:PaymentStatusCodeType Status of the payment. The status of the payment: • None: No status • Canceled-Reversal: A reversal has been canceled; for example, when you win a dispute and the funds for the reversal have been returned to you. • Completed: The payment has been completed, and the funds have been added successfully to your account balance. • Denied: You denied the payment. This happens only if the payment was previously pending because of possible reasons described for the PendingReason element. • Expired: the authorization period for this payment has been reached. • Failed: The payment has failed. This happens only if the payment was made from your customer's bank account. • In-Progress: The transaction has not terminated, e.g. an authorization may be awaiting completion. • Partially-Refunded: The payment has been partially refunded. • Pending: The payment is pending. See the PendingReason field for more information. • Refunded: You refunded the payment. • Reversed: A payment was reversed due to a chargeback or other type of reversal. The funds have been removed from your account balance and returned to the buyer. The reason for the reversal is specified in the ReasonCode element. • Processed: A payment has been accepted. • Voided: An authorization for this transaction has been voided.

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Field	Description
PendingReason	ebl:PendingStatusCodeType **NOTE:** PendingReason is returned in the response only if PaymentStatus is Pending. The reason the payment is pending: • none: No pending reason. • address: The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the Preferences section of your Profile. • authorization: The payment is pending because it has been authorized but not settled. You must capture the funds first. • echeck: The payment is pending because it was made by an eCheck that has not yet cleared. • intl: The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your Account Overview. • multi-currency: You do not have a balance in the currency sent, and you do not have your Payment Receiving Preferences set to automatically convert and accept this payment. You must manually accept or deny this payment. • order: The payment is pending because it is part of an order that has been authorized but not settled. • paymentreview: The payment is pending while it is being reviewed by PayPal for risk. • unilateral: The payment is pending because it was made to an email address that is not yet registered or confirmed. • verify: The payment is pending because you are not yet verified. You must verify your account before you can accept this payment. • other: The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service.
ProtectionEligibility	xs:string Prior to Version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • Eligible – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payment and Item Not Received • PartiallyEligible – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • Ineligible – Seller is not protected under the Seller Protection Policy

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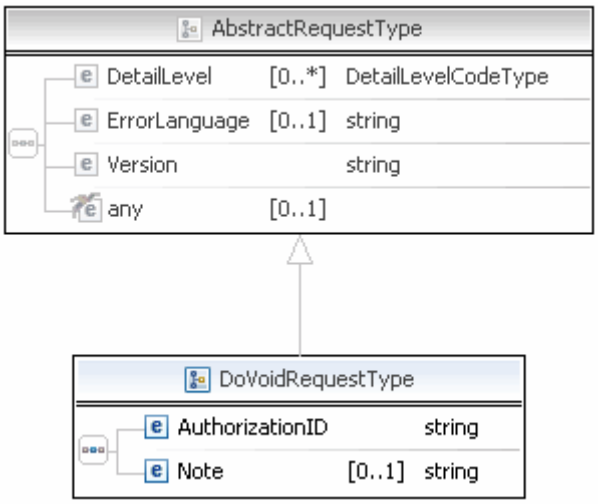
Field	Description
ProtectionEligibilityType	xs:string Since Version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • Eligible – Seller is protected by PayPal's Seller Protection Policy for both Unauthorized Payment and Item Not Received • ItemNotReceivedEligible – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • UnauthorizedPaymentEligible – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payment • Ineligible – Seller is not protected under the Seller Protection Policy

DoVoid API Operation

Void an order or an authorization.

- "DoVoid Request Message" on page 39
- "DoVoid Response Message" on page 40

DoVoid Request Message



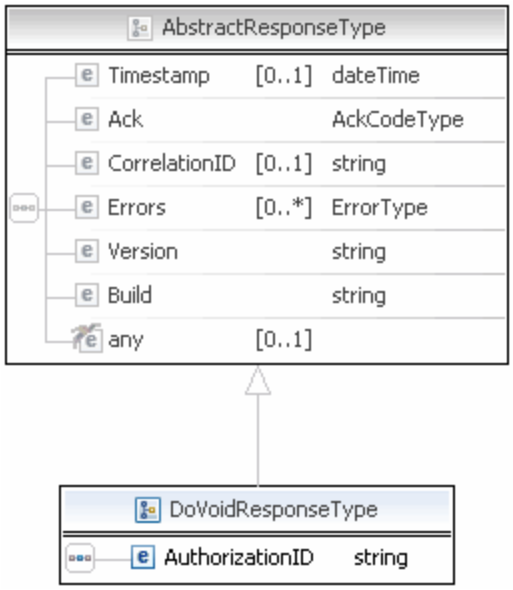
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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DoVoid Request Fields

Field	Description
`AuthorizationID`	`xs:string` *(Required)* The original authorization ID specifying the authorization to void or, to void an order, the order ID. **IMPORTANT:** If you are voiding a transaction that has been reauthorized, use the ID from the original authorization, and not the reauthorization. Character length and limits: 19 single-byte characters.
`Note`	`xs:string` *(Optional)* An informational note about this void that is displayed to the payer in email and in his transaction history. Character length and limits: 255 single-byte characters

DoVoid Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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DoVoidResponse Fields

Field	Description
`AuthorizationID`	`xs:string` The authorization identification number you specified in the request. Character length and limits: 19 single-byte characters.

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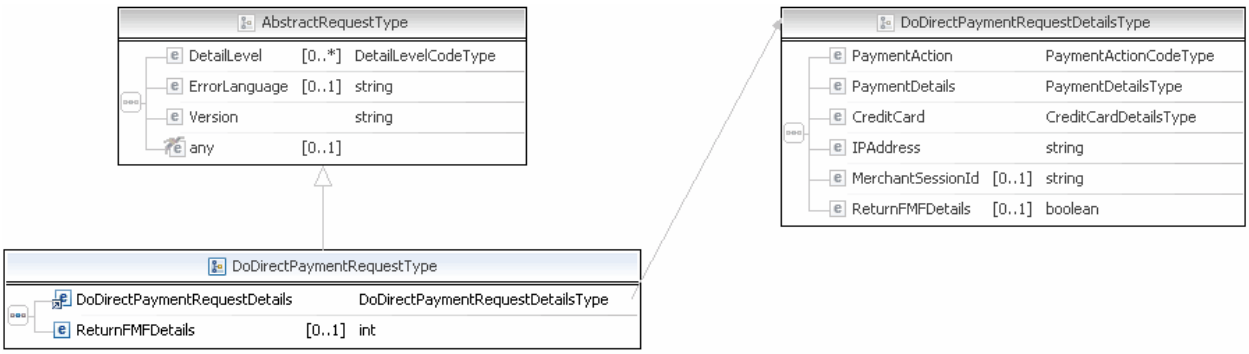
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4 DoDirectPayment API Operation

Process a credit card payment.

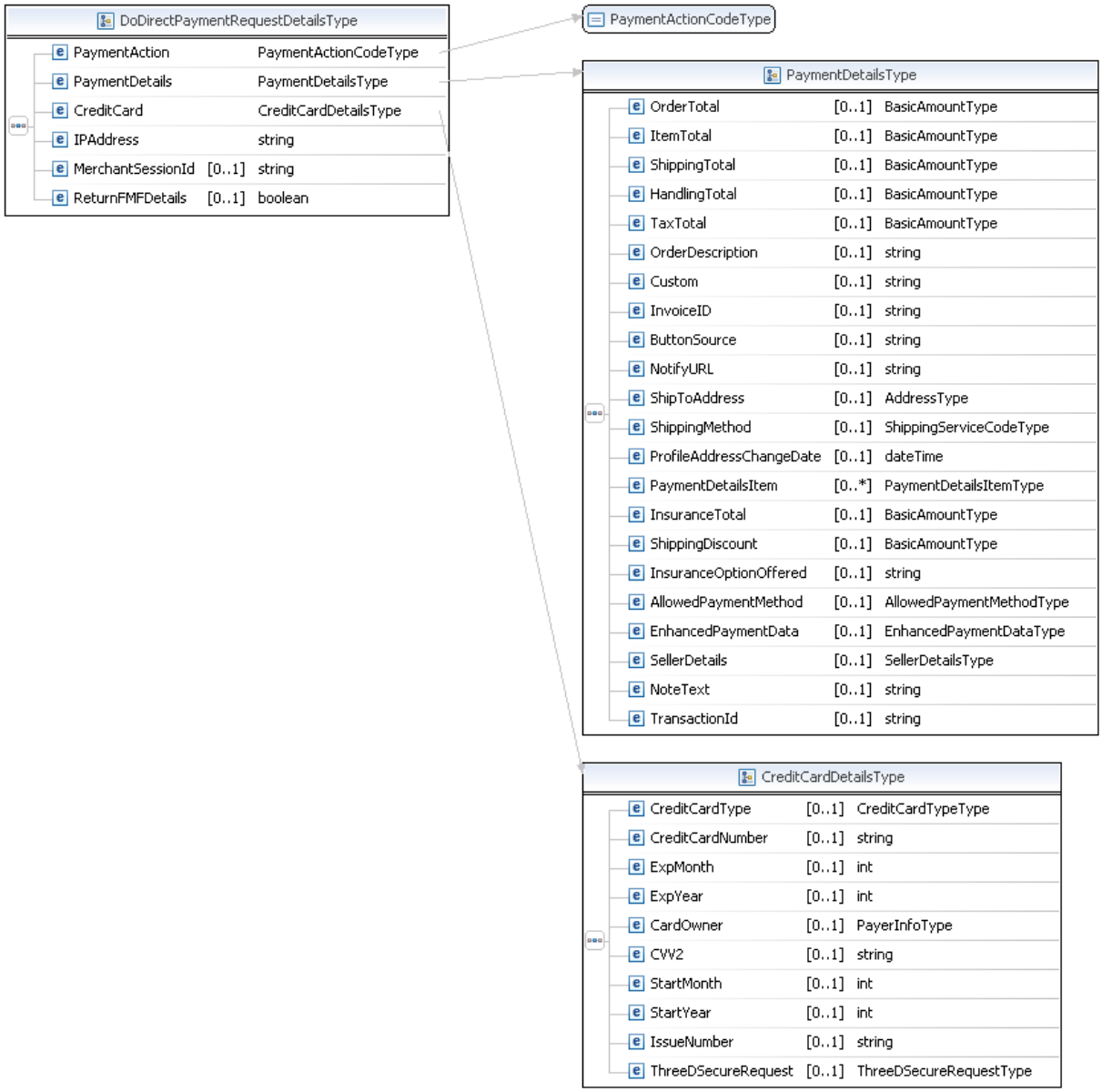
- "DoDirectPayment Request Message" on page 43
- "DoDirectPayment Response Message" on page 57

DoDirectPayment Request Message



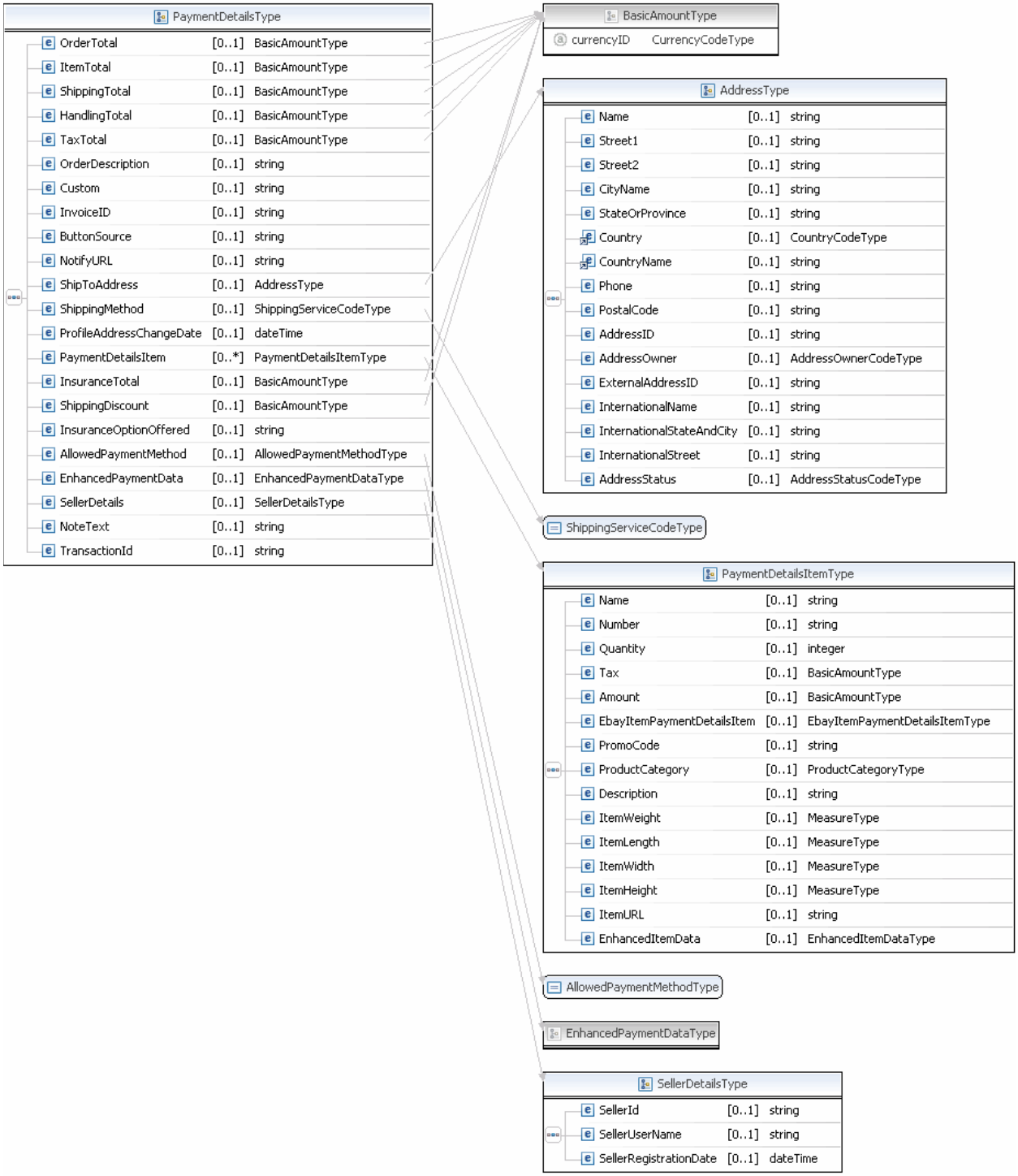
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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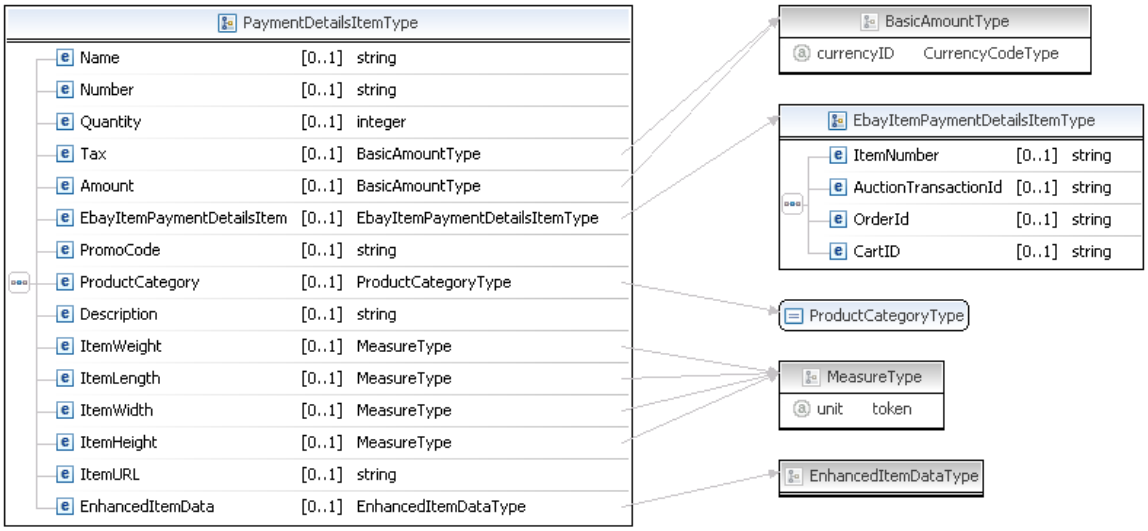
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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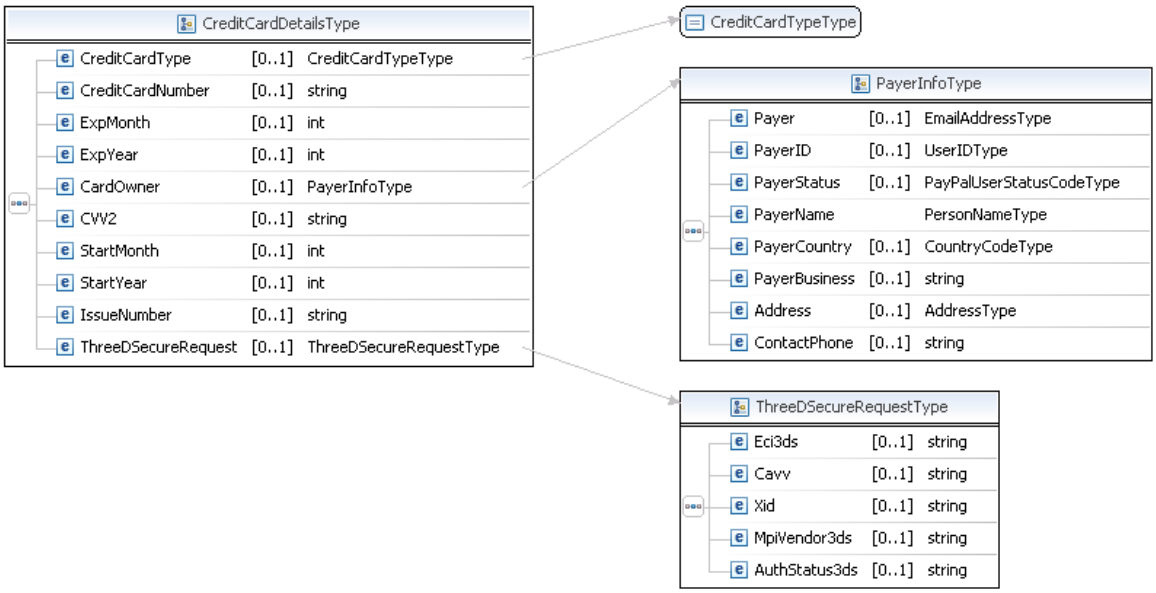


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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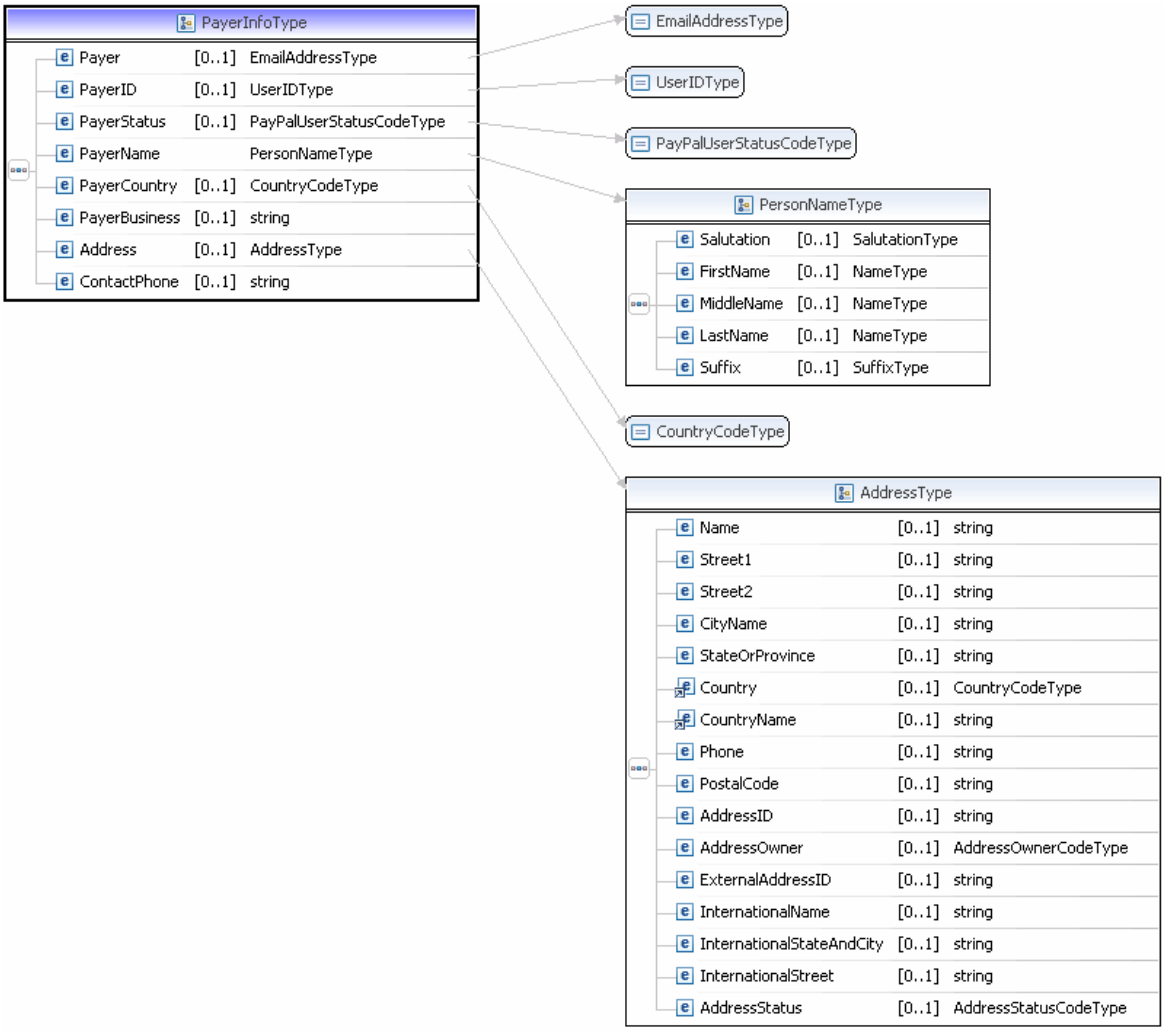


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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DoDirectPayment Request Fields

Field	Description
`PaymentAction`	`ebl:PaymentActionCodeType` *(Optional)* How you want to obtain payment: • `Authorization` indicates that this payment is a basic authorization subject to settlement with PayPal Authorization & Capture. • `Sale` indicates that this is a final sale for which you are requesting payment. Character length and limit: Up to 13 single-byte alphabetic characters. Default: `Sale` **NOTE:** `Order` is not allowed for Direct Payment.
`CreditCard`	`ebl:CreditCardDetailsType` *(Required)* Information about the credit card to be charged.
`PaymentDetails`	`ebl:PaymentDetailsType` *(Required)* Information about the credit card to be charged.
`IPAddress`	`xs:string` *(Required)* IP address of the payer's browser. **NOTE:** PayPal records this IP addresses as a means to detect possible fraud. Character length and limitations: 15 single-byte characters, including periods, for example: 255.255.255.255.
`MerchantSessionId`	`xs:string` *(Optional)* Your customer session identification token. **NOTE:** PayPal records this optional session identification token as an additional means to detect possible fraud. Character length and limitations: 64 single-byte numeric characters.
`ReturnFMFDetails`	`xs:boolean` *(Optional)* Flag to indicate whether you want the results returned by Fraud Management Filters. By default, you do not receive this information. • 0 - do not receive FMF details (default) • 1 - receive FMF details
`ThreeDSecureRequest`	`ns:ThreeDSecureRequestType` *(Optional)* Information about 3-D Secure settings (UK only).

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CreditCardDetailsType Fields

Field	Description
`CreditCardType`	`ebl:CreditCardType` *(Required)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • `Visa` • `MasterCard` • `Discover` • `Amex` • `Maestro`: See note. • `Solo`: See note. For UK, only `Maestro`, `Solo`, `MasterCard`, `Discover`, and `Visa` are allowable. For Canada, only `MasterCard` and `Visa` are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is `Maestro` or `Solo`, the `currencyId` must be `GBP`. In addition, either `StartMonth` and `StartYear` or `IssueNumber` must be specified.
`CreditCardNumber`	`xs:string` *(Required)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
`ExpMonth`	`xs:int` *(Required)* Credit card expiration month. Character length and limitations: Two single-byte numeric characters, including leading zero.
`ExpYear`	`xs:int` *(Required)* Credit card expiration year. Character length and limitations: Four single-byte numeric characters.
`CVV2`	`xs:string` Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits. Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
`CardOwner`	`ns:PayerInfoType` *(Required)* Details about the owner of the credit card.
`StartMonth`	`xs:int` *(Optional)* Month that Maestro or Solo card was issued. Character length: Two-digit, zero-filled if necessary.

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Field	Description
`StartYear`	`xs:int` *(Optional)* Year that Maestro or Solo card was issued. Character length: Four digits.
`IssueNumber`	`xs:int` *(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

PayerInfoType Fields

Field	Description
`Payer`	`ebl:EmailAddressType` *(Required)* Email address of payer. Character length and limitations: 127 single-byte characters
`PayerID`	`ebl:UserIDType` *(Optional)* Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters
`PayerStatus`	`ebl:PayPalUserStatusCodeType` *(Optional)* Status of payer. Valid values are: • `verified` • `unverified` Character length and limitations: 10 single-byte alphabetic characters
`PayerName`	`ebl:PersonNameType` *(Optional)* First and last name of payer.
`PayerCountry`	`ebl:CountryCodeType` *(Optional)* Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters
`PayerBusiness`	`xs:string` *(Optional)* Payer's business name. Character length and limitations: 127 single-byte characters
`Address`	`xs:string` *(Optional)* Payer's shipping address information.

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PayerNameType Fields

Field	Description
`Salutation`	`xs:string` *(Optional)* Payer's salutation. Character length and limitations: 20 single-byte characters.
`FirstName`	`ebl:PersonNameType` *(Required)* Payer's first name. Character length and limitations: 25 single-byte characters.
`MiddleName`	`ebl:NameUser` *(Optional)* Payer's middle name. Character length and limitations: 25 single-byte characters.
`LastName`	`ebl:NameType` *(Required)* Payer's last name Character length and limitations: 25 single-byte characters.
`Suffix`	`ebl:SuffixType` *(Optional)* Payer's suffix Character length and limitations: 12 single-byte characters.

AddressType Fields

Field	Description
`Street1`	`xs:string` *(Required)* First street address. Character length and limitations: 100 single-byte characters.
`Street2`	`xs:string` *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
`CityName`	`xs:string` *(Required)* Name of city. Character length and limitations: 40 single-byte characters.
`StateOrProvince`	`xs:string` *(Required)* State or province. Character length and limitations: 40 single-byte characters.
`Country`	`ebl:CountryCodeType` *(Required)* Country code. Character limit: Two single-byte characters.

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Field	Description
PostalCode	xs:string *(Required)* U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
Phone	xs:string *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

PaymentDetailsType Fields

Field	Description
OrderTotal	ebl:BasicAmountType *(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged. Purchase-specific fields will be ignored. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
ItemTotal	ebl:BasicAmountType *(Optional)* Sum of cost of all items in this order. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
ShippingTotal	ebl:BasicAmountType *(Optional)* Total shipping costs for this order. **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.

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Field	Description
`HandlingTotal`	`ebl:BasicAmountType` *(Optional)* Total handling costs for this order. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`TaxTotal`	`ebl:BasicAmountType` *(Optional)* Sum of tax for all items in this order. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`OrderDescription`	`xs:string` *(Optional)* Description of items the customer is purchasing. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 127 single-byte alphanumeric characters
`Custom`	`xs:string` *(Optional)* A free-form field for your own use. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 256 single-byte alphanumeric characters
`InvoiceID`	`xs:string` *(Optional)* Your own invoice or tracking number. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 127 single-byte alphanumeric characters
`ButtonSource`	`xs:string` *(Optional)* An identification code for use by third-party applications to identify transactions. Character length and limitations: 32 single-byte alphanumeric characters

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Field	Description
NotifyURL	xs:string *(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction. If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists. **IMPORTANT:** The notify URL only applies to DoExpressCheckoutPayment. This value is ignored when set in SetExpressCheckout or GetExpressCheckoutDetails. Character length and limitations: 2,048 single-byte alphanumeric characters
ShipToAddress	ns:AddressType *(Optional)* Address the order will be shipped to.
PaymentDetailsItem	ebl:PaymentDetailsItemType *(Optional)* Details about each individual item included in the order.

PaymentDetailsItemType Fields

Field	Description
Name	xs:string *(Optional)* Item name. Character length and limitations: 127 single-byte characters
Description	xs:string *(Optional)* Item description. Description is available since version 53.0. Character length and limitations: 127 single-byte characters
Amount	ebl:BasicAmountType *(Optional)* Cost of item. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
Number	xs:string *(Optional)* Item number. Character length and limitations: 127 single-byte characters
Quantity	xs:integer *(Optional)* Item quantity. Character length and limitations: Any positive integer

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Field	Description
Tax	ebl:BasicAmountType *(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
EbayItemPayment DetailsItem	eBl:ebayItemPaymentDetailsItemType *(Optional)* Information relating to an auction sale on eBay.

EbayItemPaymentDetailsItemType Fields

Field	Description
ItemNumber	xs:string *(Optional)* Auction item number. Character length: 765 single-byte characters
AuctionTransaction Id	xs:string *(Optional)* Auction transaction identification number. Character length: 255 single-byte characters
OrderID	xs:string *(Optional)* Auction order identification number. Character length: 64 single-byte characters

AddressType (Shipping) Fields

Field	Description
Name	xs:string Person's name associated with this shipping address. Required if using a shipping address. Character length and limitations: 32 single-byte characters.
Street1	xs:string First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters.
Street2	xs:string *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.

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Field	Description
CityName	xs:string Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
StateOrProvince	xs:string State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
PostalCode	xs:string U.S. zip code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
Country	ebl:CountryCodeType Country code. Required if using a shipping address. Character limit: 2 single-byte characters.
Phone	xs:string *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

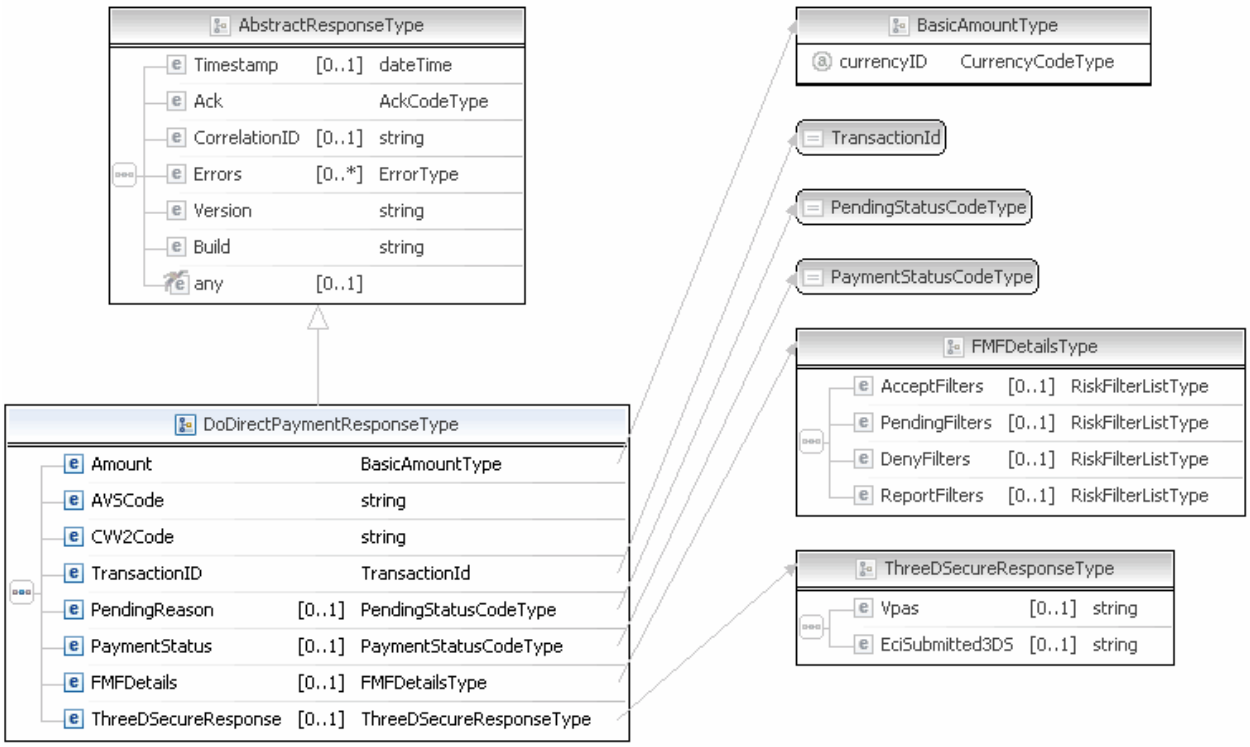
ThreeDSecureRequest Fields (U.K. Merchants Only)

Field	Description
AuthStatus3ds	xs:string *(Optional)* A value returned by the Cardinal Centinel. If the cmpi_lookup request returns Y for Enrolled, set this field to the PAResStatus value returned by cmpi_authenticate; otherwise, set this field to blank.
MpiVendor3ds	xs:string *(Optional)* A value returned by the Cardinal Centinel. Set this field to the Enrolled value returned by cmpi_lookup.
Cavv	xs:string *(Optional)* A value returned by the Cardinal Centinel. If the cmpi_lookup request returns Y for Enrolled, set this field to the Cavv value returned by cmpi_authenticate; otherwise, set this field to blank.
Eci3ds	xs:string *(Optional)* A value returned by the Cardinal Centinel. If the cmpi_lookup request returns Y for Enrolled, set this field to the EciFlag value returned by cmpi_authenticate; otherwise, set this field to the EciFlag value returned by cmpi_lookup.

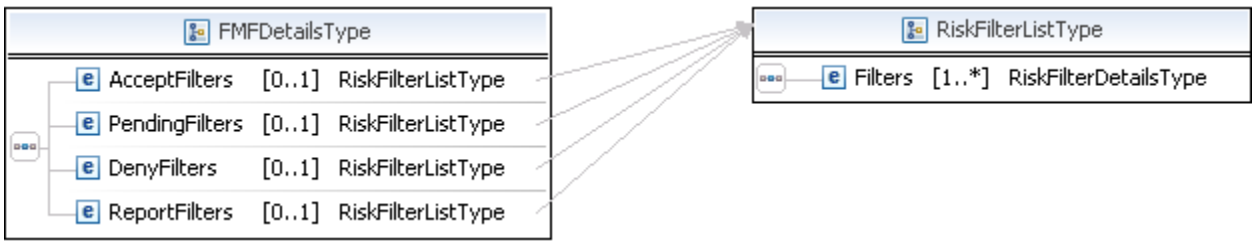
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Field	Description
`XID`	`xs:string` *(Optional)* A value returned by the Cardinal Centinel. If the `cmpi_lookup` request returns `Y` for `Enrolled`, set this field to the `Xid` value returned by `cmpi_authenticate`; otherwise set this field to blank.

DoDirectPayment Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



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DoDirectPayment Response Fields

Field	Description
`TransactionID`	`xs:string` Unique transaction ID of the payment. **NOTE:** If the `PaymentAction` of the request was `Authorization`, the value of TransactionID is your AuthorizationID for use with the Authorization & Capture APIs. Character length and limitations: 19 single-byte characters.
`Amount`	`ebl:BasicAmountType` This value is the amount of the payment as specified by you on `DoDirectPaymentRequest` for reference transactions with direct payments.
`AVSCode`	`xs:string` Address Verification System response code. See "AVS Response Codes" on page 349 for possible values. Character limit: One single-byte alphanumeric character
`CVV2Code`	`xs:string` Result of the CVV2 check by PayPal.
`FMFDetails`	`ebl:FMFDetailsType` Fraud filter details.

FMFDetailsType Fields

Field	Description
`AcceptFilters`	`xs:RiskFilterListType` List of filters that recommend acceptance of the payment.
`DenyFilters`	`xs:RiskFilterListType` List of filters that recommend denial of the payment.
`PendingFilters`	`xs:RiskFilterListType` List of filters that caused the payment to become pending.
`ReportsFilters`	`xs:RiskFilterListType` List of filters that caused the payment to become flagged.

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RiskFilterListType Fields

Field	Description
`ID`	`xs:int` Filter ID, which is one of the following values: • 1 = AVS No Match • 2 = AVS Partial Match • 3 = AVS Unavailable/Unsupported • 4 = Card Security Code (CSC) Mismatch • 5 = Maximum Transaction Amount • 6 = Unconfirmed Address • 7 = Country Monitor • 8 = Large Order Number • 9 = Billing/Shipping Address Mismatch • 10 = Risky ZIP Code • 11 = Suspected Freight Forwarder Check • 12 = Total Purchase Price Minimum • 13 = IP Address Velocity • 14 = Risky Email Address Domain Check • 15 = Risky Bank Identification Number (BIN) Check • 16 = Risky IP Address Range • 17 = PayPal Fraud Model
`Name`	`xs:string` Filter name.
`Description`	`xs:string` Filter description.

ThreeDSecure Response Fields

Field	Description
VPAS	Returned only for Verified by Visa transactions. Visa Payer Authentication Service status indicating whether Verified by Visa confirms that the information received is acceptable. **Authentication:** • Good result: 2 or D • Bad result: 1 **Attempted authentication:** • Good result: 3, 6, 8, A, or C • Bad result: 4, 7, or 9 **No liability shift:** Blank, 0, or B

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Field	Description
`EciSubmitted3ds`	The Electronic Commerce Indicator (ECI) that PayPal submitted with the payment authorisation request. This *might not* be the same value received from the merchant; in rare cases, PayPal might be required to use a different ECI for authorisation based on the full set of 3-D Secure values provided from the `cmpi_authenticate` request. **MasterCard:** • 01: Merchant Liability • 02: Issuer Liability **Visa:** • 05: Issuer Liability • 06: Issuer Liability • 07: Merchant Liability

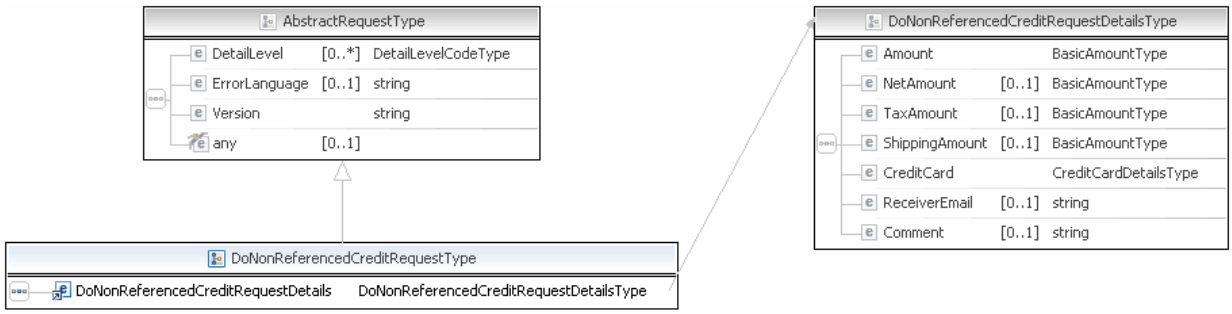
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5 DoNonReferencedCredit API Operation

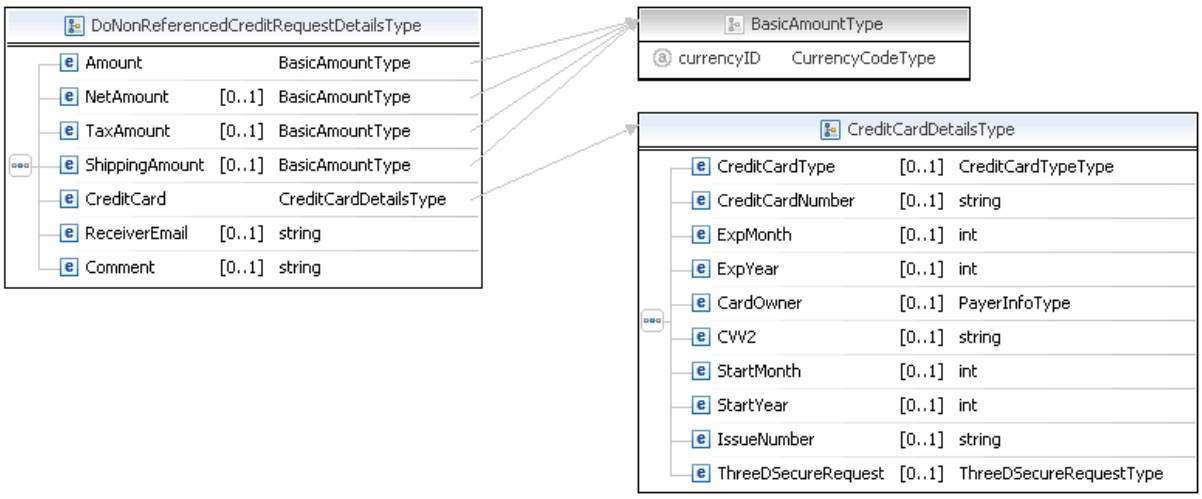
Issue a credit to a card not referenced by the original transaction.

- "DoNonReferencedCredit Request Message" on page 61
- "DoNonReferencedCredit Response Message" on page 68

DoNonReferencedCredit Request Message

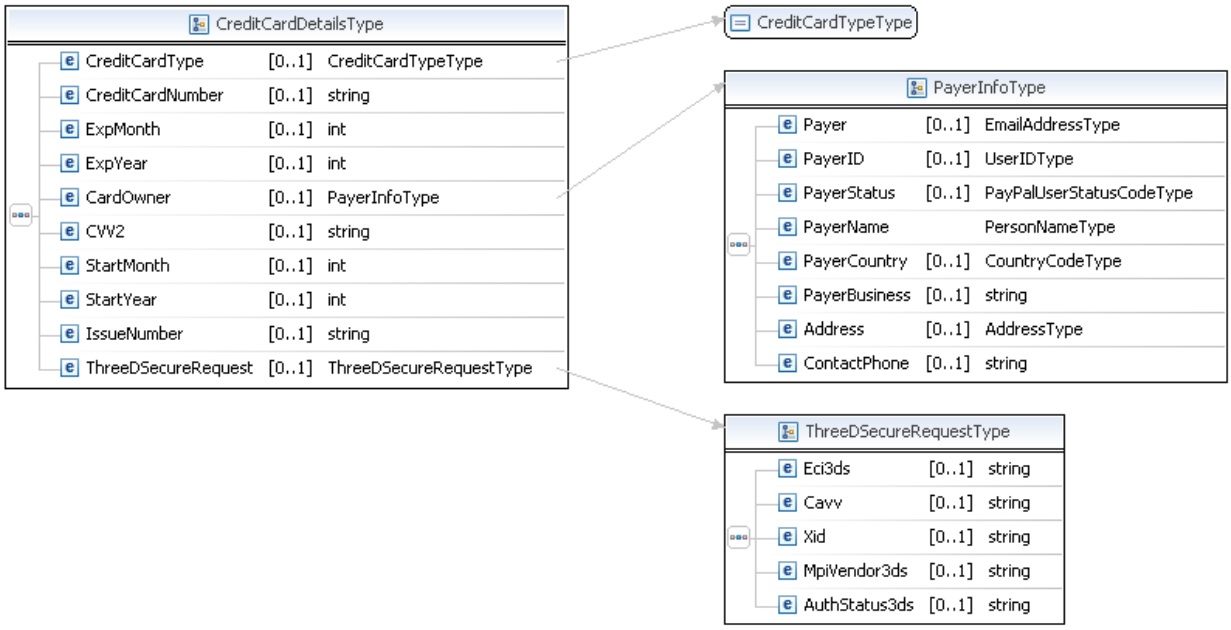


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



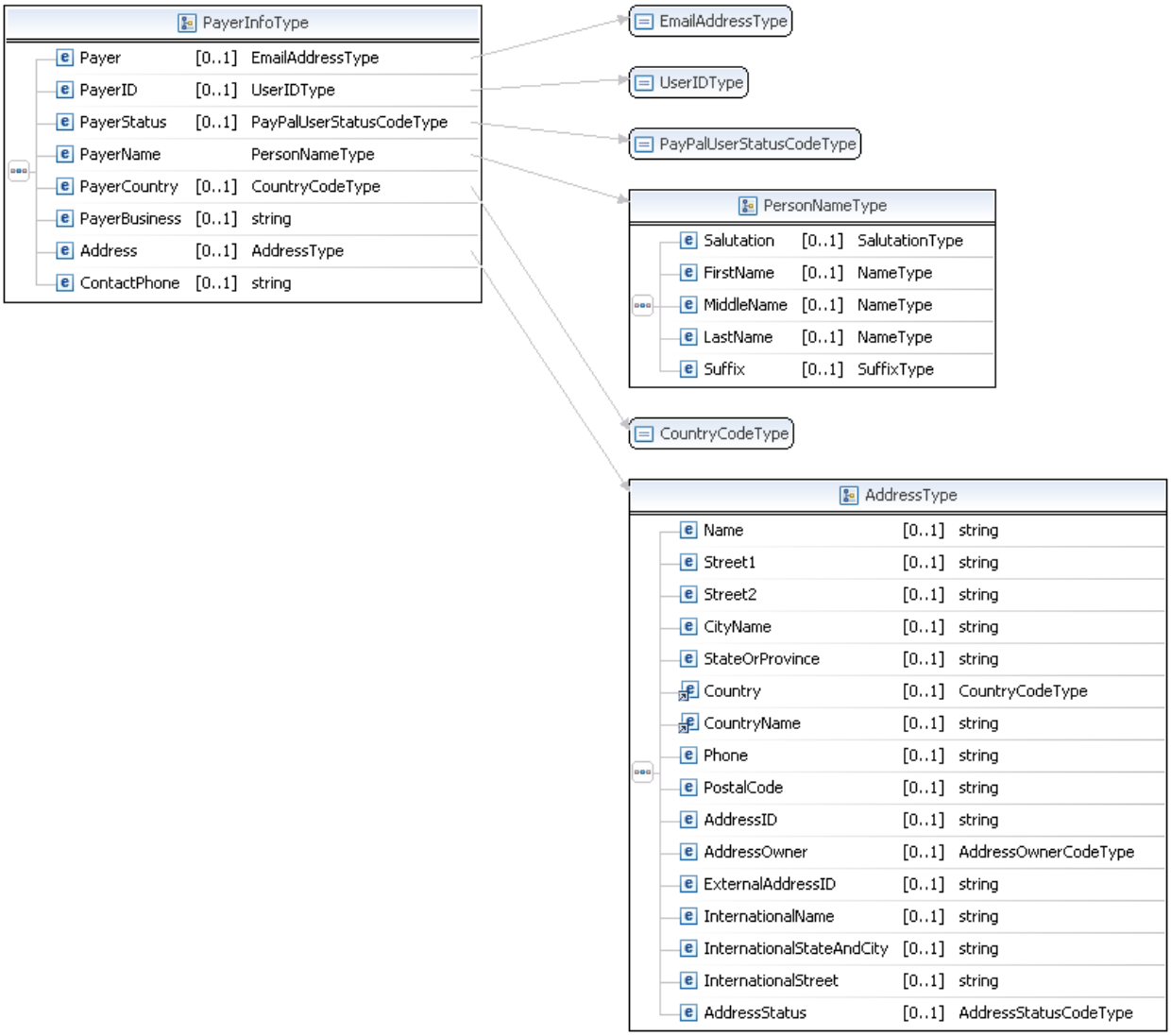
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoNonReferencedCredit Request Fields

Field	Description
`Amount`	`ns:BasicAmountType` *(Required)* Total of order, including shipping, handling, and tax. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Amount = NetAmount + ShippingAmount + TaxAmount

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Field	Description
`NetAmount`	`ns:BasicAmountType` *(Optional)* Total amount of all items in this transaction. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). The only valid currencies are AUD, CAD, EUR, GBP, JPY, and USD.
`TaxAmount`	`ns:BasicAmountType` *(Optional)* Sum of tax for all items in this order. Limitations: The value must be zero or greater and cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). The only valid currencies are AUD, CAD, EUR, GBP, JPY, and USD.
`ShippingAmount`	`ns:BasicAmountType` *(Optional)* Total shipping costs in this transaction. Limitations: Value must be zero or greater and cannot exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). The only valid currencies are AUD, CAD, EUR, GBP, JPY, and USD.
`CreditCard`	`ebl:CreditCardDetailsType` *(Required)* Information about the credit card to be charged.
`ReceiverEmail`	`xs:string`
`Comment`	`xs:string` *(Optional)* Field used by merchant to record why this credit was issued to a buyer. Similar to a “memo” field. Freeform text. String field.

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CreditCardDetailsType Fields

Field	Description
`CreditCardType`	`ebl:CreditCardType` *(Required)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • `Visa` • `MasterCard` • `Discover` • `Amex` • `Maestro`: See note. • `Solo`: See note. For UK, only `Maestro`, `Solo`, `MasterCard`, `Discover`, and `Visa` are allowable. For Canada, only `MasterCard` and `Visa` are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is `Maestro` or `Solo`, the `currencyId` must be `GBP`. In addition, either `StartMonth` and `StartYear` or `IssueNumber` must be specified.
`CreditCardNumber`	`xs:string` *(Required)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
`ExpMonth`	`xs:int` *(Required)* Credit card expiration month. Character length and limitations: Two single-byte numeric characters, including leading zero.
`ExpYear`	`xs:int` *(Required)* Credit card expiration year. Character length and limitations: Four single-byte numeric characters.
`CVV2`	`xs:string` Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits. Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
`CardOwner`	`ns:PayerInfoType` *(Required)* Details about the owner of the credit card.
`StartMonth`	`xs:int` *(Optional)* Month that Maestro or Solo card was issued. Character length: Two-digit, zero-filled if necessary.

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Field	Description
`StartYear`	`xs:int` *(Optional)* Year that Maestro or Solo card was issued. Character length: Four digits.
`IssueNumber`	`xs:int` *(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

PayerNameType Fields

Field	Description
`Salutation`	`xs:string` *(Optional)* Payer's salutation. Character length and limitations: 20 single-byte characters.
`FirstName`	`ebl:PersonNameType` *(Optional)* Payer's first name. Character length and limitations: 25 single-byte characters.
`MiddleName`	`ebl:NameUser` *(Optional)* Payer's middle name. Character length and limitations: 25 single-byte characters.
`LastName`	`ebl:NameType` *(Optional)* Payer's last name Character length and limitations: 25 single-byte characters.
`Suffix`	`ebl:SuffixType` *(Optional)* Payer's suffix Character length and limitations: 12 single-byte characters.

PayerInfoType Fields

Field	Description
`Payer`	`ns:EmailAddressType` *(Optional)* Email address of payer. Character length and limitations: 127 single-byte characters
`FirstName`	`ns:PersonNameType` *(Required)* Payer's first name. Character length and limitations: 25 single-byte characters

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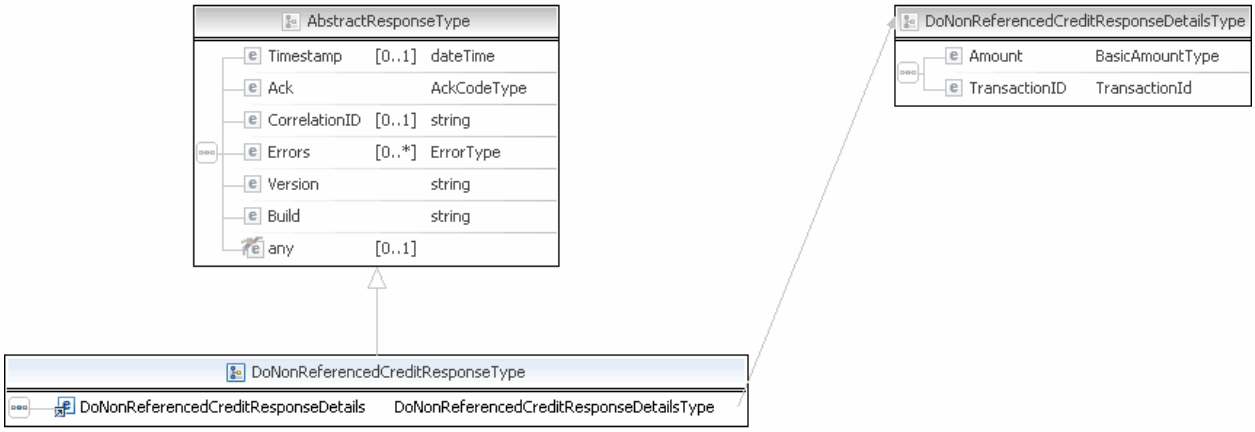
Field	Description
`LastName`	`ns:PersonNameType` *(Required)* Payer's last name. Character length and limitations: 25 single-byte characters
`Address`	`ns:AddressType` *(Required)* Payer's billing address information.

AddressType Fields

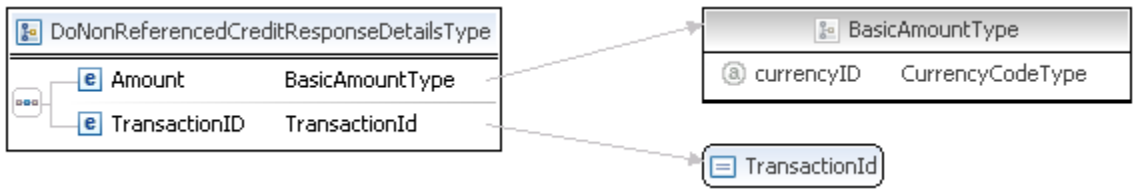
Field	Description
`Street1`	`xs:string` *(Required)* First street address. Character length and limitations: 100 single-byte characters.
`Street2`	`xs:string` *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
`CityName`	`xs:string` *(Required)* Name of city. Character length and limitations: 40 single-byte characters.
`StateOrProvince`	`xs:string` *(Required)* State or province. Character length and limitations: 40 single-byte characters.
`Country`	`ebl:CountryCodeType` *(Required)* Country code. Character limit: Two single-byte characters.
`PostalCode`	`xs:string` *(Required)* U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
`Phone`	`xs:string` *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

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DoNonReferencedCredit Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoNonReferencedCredit Response Fields

Field	Description
`TransactionID`	`ns:TransactionId` Unique identifier of a transaction. Character length and limitations: 17 single-byte alphanumeric characters.
`Amount`	`ns:BasicAmountType` Total of order, including shipping, handling, and tax. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).

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6 ExpressCheckout API Operations

This chapter describes the PayPal API operations related to Express Checkout transactions:

- "SetExpressCheckout API Operation" on page 69
- "GetExpressCheckoutDetails API Operation" on page 91
- "DoExpressCheckoutPayment API Operation" on page 108

SetExpressCheckout API Operation

Initiates an Express Checkout transaction.

- "SetExpressCheckout Request Message" on page 69
- "SetExpressCheckout Response Message" on page 90

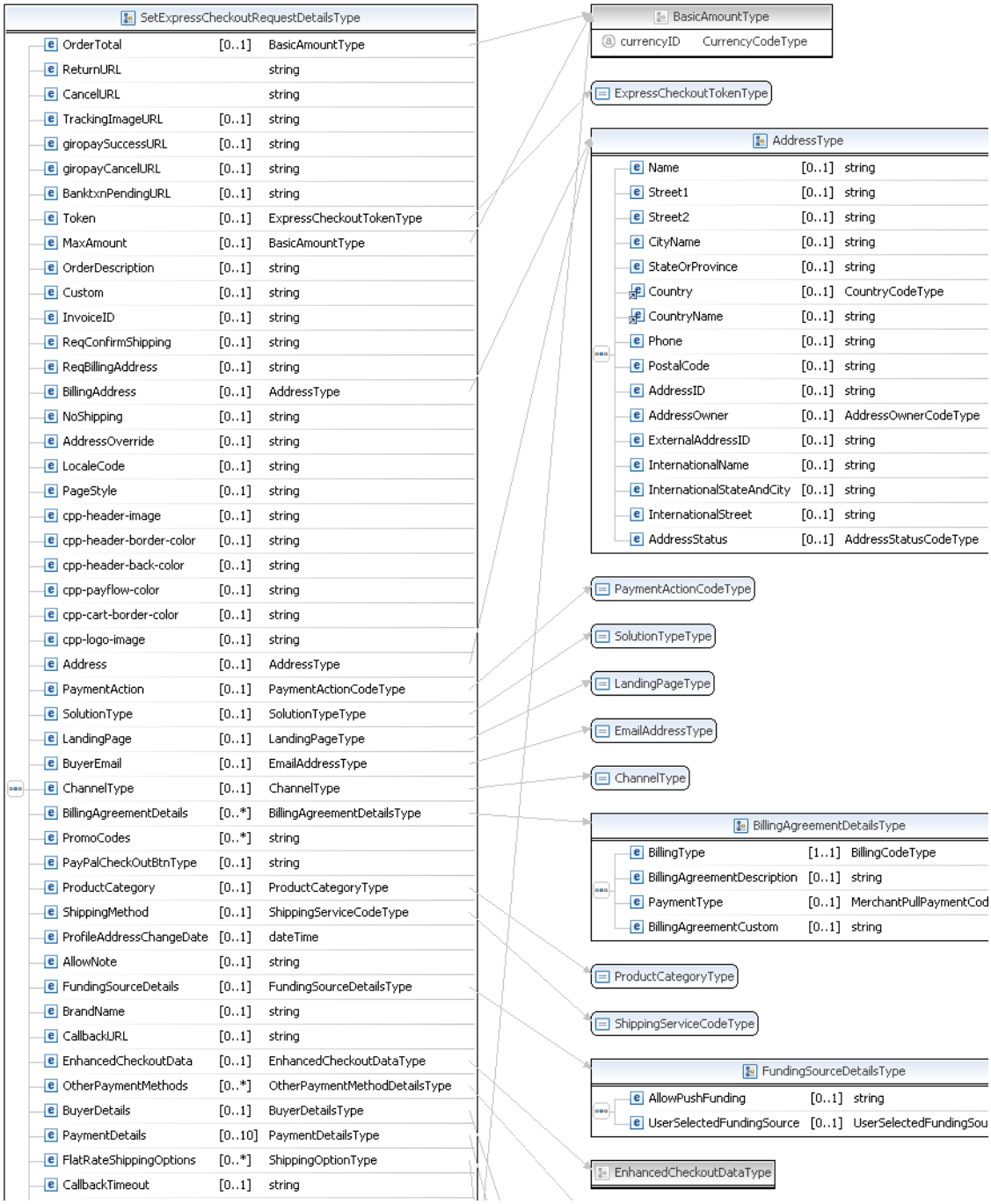
SetExpressCheckout Request Message

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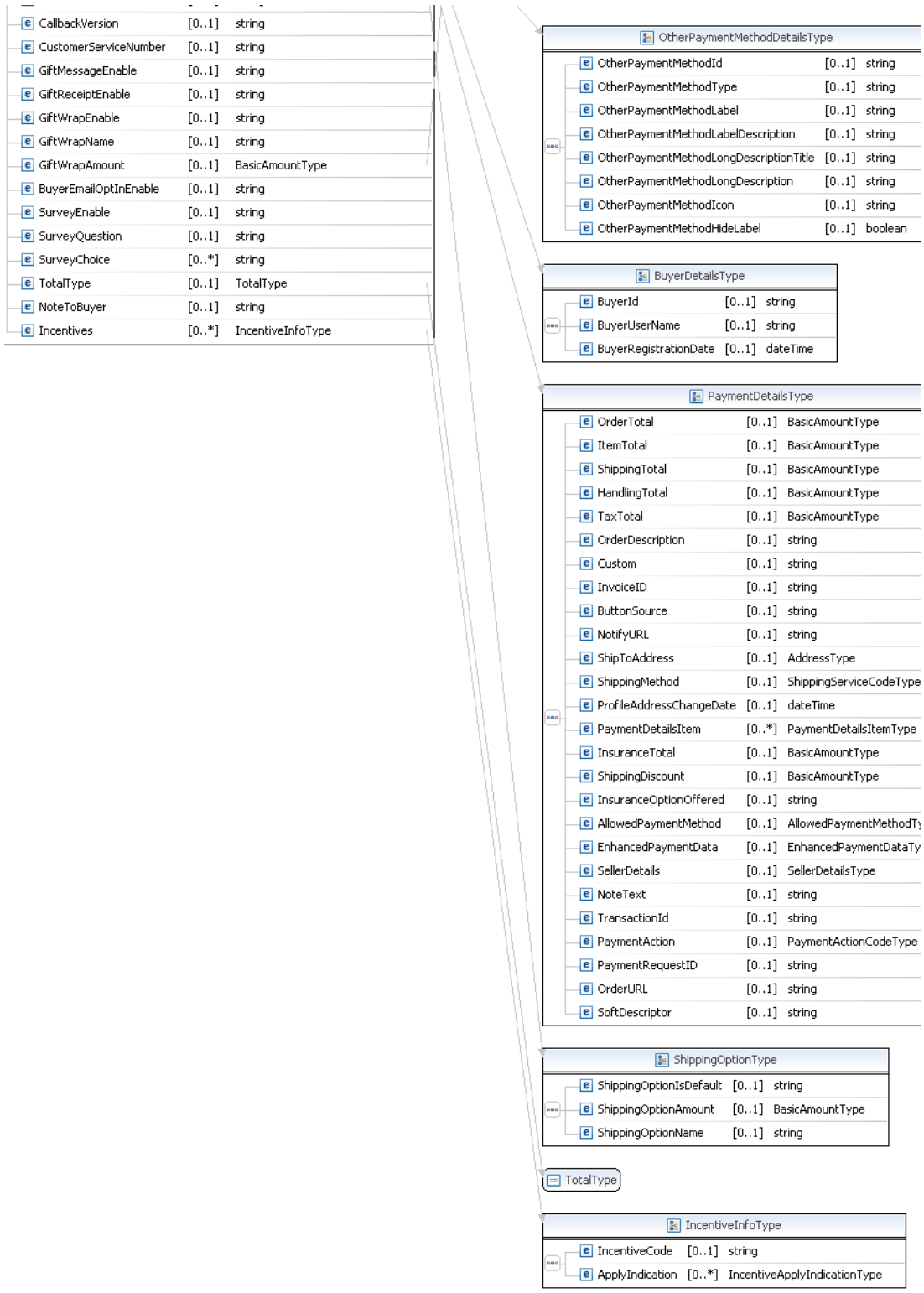
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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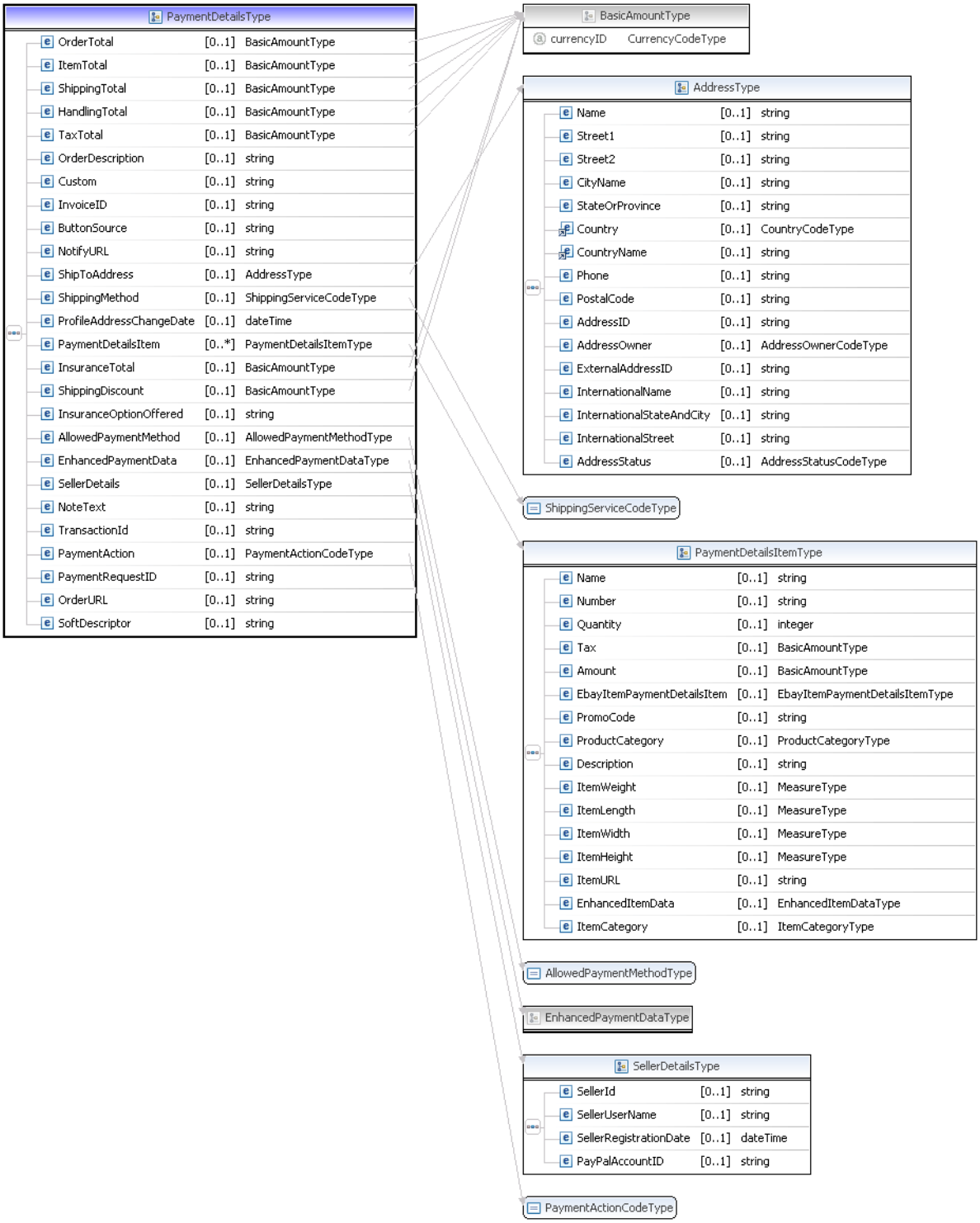
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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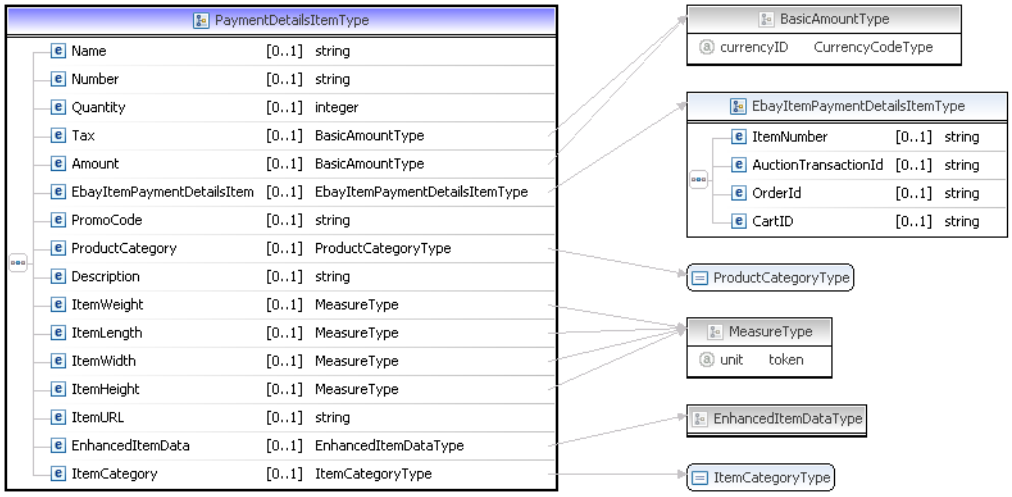
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

SetExpressCheckout Request Fields

Field	Description
`Token`	`ebl:ExpressCheckoutTokenType` *(Optional)* A timestamped token, the value of which was returned by `SetExpressCheckout` response. Character length and limitations: 20 single-byte characters
`OrderTotal` (*deprecated*)	`ebl:BasicAmountType` This field is deprecated since version 53.0. Use `OrderTotal` in `PaymentDetailsType` instead. *(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. If the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment, set this field to 0. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.

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Field	Description
`MaxAmount`	`ebl:BasicAmountType` *(Optional)* The expected maximum total amount of the complete order, including shipping cost and tax charges. For recurring payments, you should pass the expected average transaction amount (default 25.00). PayPal uses this value to validate the buyer's funding source. If the transaction includes one or more one-time purchases, this field is ignored. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`OrderDescription` (*deprecated*)	`xs:string` This field is deprecated since version 53.0. Use `OrderDescription` in `PaymentDetailsType` instead. *(Optional)* Description of items the customer is purchasing. Character length and limitations: 127 single-byte alphanumeric characters
`Custom` (*deprecated*)	`xs:string` This field is deprecated since version 53.0. Use `Custom` in `PaymentDetailsType` instead. *(Optional)* A free-form field for your own use, such as a tracking number or other value you want PayPal to return on `GetExpressCheckoutDetails` response and response. Character length and limitations: 256 single-byte alphanumeric characters
`InvoiceID` (*deprecated*)	`xs:string` This field is deprecated since version 53.0. Use `InvoiceID` in `PaymentDetailsType` instead. *(Optional)* Your own unique invoice or tracking number. PayPal returns this value to you on `DoExpressCheckoutPayment` response. If the transaction does not include a one-time purchase, this field is ignored. Character length and limitations: 127 single-byte alphanumeric characters
`ReturnURL`	`xs:string` *(Required)* URL to which the customer's browser is returned after choosing to pay with PayPal. **NOTE:** PayPal recommends that the value be the final review page on which the customer confirms the order and payment or billing agreement. For digital goods, you must add JavaScript to this page to close the in-context experience. Character length and limitations: 2048 characters

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Field	Description
`CancelURL`	`xs:string` *(Required)* URL to which the customer is returned if he does not approve the use of PayPal to pay you. **NOTE:** PayPal recommends that the value be the original page on which the customer chose to pay with PayPal or establish a billing agreement. For digital goods, you must add JavaScript to this page to close the in-context experience. Character length and limitations: 2048 characters
`CallbackURL`	`xs:string` *(Optional)* URL to which the callback request from PayPal is sent. It must start with HTTPS for production integration. It can start with HTTPS or HTTP for sandbox testing. Character length and limitations: 1024 characters This field is available since version 53.0.
`CallbackTimeout`	`int` *(Optional)* An override for you to request more or less time to be able to process the callback request and respond. The acceptable range for the override is `1` to `6` seconds. If you specify a value greater than `6`, PayPal uses the default value of `3` seconds. Character length and limitations: An integer between `1` and `6`
`Address` (*deprecated*)	`ebl:AddressType` This field is deprecated since version 53.0. Use `ShipToAddress` in `PaymentDetailsType` instead. *(Optional)* Customer's shipping address. If you include a shipping address and set the `AddressOverride` element on the request, PayPal returns this same address in `GetExpressCheckoutDetailsResponse`.
`ReqConfirmShipping`	`xs:string` The value `1` indicates that you require that the customer's shipping address on file with PayPal be a confirmed address. For digital goods, this field is required. You must set the value to `0`. **NOTE:** Setting this field overrides the setting you have specified in your Merchant Account Profile. Character length and limitations: One single-byte numeric character. Allowable values: `0`, `1`

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Field	Description
NoShipping	xs:string Determines where or not PayPal displays shipping address fields on the PayPal pages. For digital goods, this field is required. You must set it to 1. Allowable values: 0, 1, 2 • 0 - PayPal displays the shipping address on the PayPal pages • 1 - PayPal does not display shipping address fields whatsoever • 2 - If you do not pass the shipping address, PayPal obtains it from the buyer's account profile Character length and limitations: Four single-byte numeric characters.
FlatRateShippingOptions	ebl:ShippingOptionsType Flat rate shipping options. Required if specifying the Callback URL.
AllowNote	xs:string *(Optional)* The value 1 indicates that the customer may enter a note to the merchant on the PayPal page during checkout. The note is returned in the GetExpressCheckoutDetails response and the DoExpressCheckoutPayment response. Character length and limitations: One single-byte numeric character. Allowable values: 0, 1 This field is available since version 53.0.
PaymentDetails	ebl:PaymentDetailsType *(Required)* Information about the payment.
AddressOverride	xs:string *(Optional)* The value 1 indicates that the PayPal pages should display the shipping address set by you in this SetExpressCheckout request, not the shipping address on file with PayPal for this customer. Displaying the PayPal street address on file does not allow the customer to edit that address. Character length and limitations: One single-byte numeric character. Allowable values: 0, 1

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Field	Description
`LocaleCode`	`xs:string` *(Optional)* Locale of pages displayed by PayPal during Express Checkout. Character length and limitations: Any two-character country code. The following two-character country codes are supported by PayPal: • AU - Australia • AT - Austria • BE - Belgium • CA - Canada • CH - Switzerland • CN - China • DE - Germany • ES - Spain • GB - United Kingdom • FR - France • IT - Italy • NL - Netherlands • PL - Poland • US - United States Any other value will default to US.
`PageStyle`	`xs:string` *(Optional)* Sets the Custom Payment Page Style for payment pages associated with this button/link. This value corresponds to the HTML variable page_style for customizing payment pages. The value is the same as the Page Style Name you chose when adding or editing the page style from the `Profile` subtab of the `My Account` tab of your PayPal account. Character length and limitations: 30 single-byte alphabetic characters
`cpp-header-image`	`xs:string` *(Optional)* URL for the image you want to appear at the top left of the payment page. The image has a maximum size of 750 pixels wide by 90 pixels high. PayPal recommends that you provide an image that is stored on a secure (https) server. If you do not specify an image, the business name is displayed. Character length and limit: 127 single-byte alphanumeric characters
`cpp-header-border-color`	`xs:string` *(Optional)* Sets the border color around the header of the payment page. The border is a 2-pixel perimeter around the header space, which is 750 pixels wide by 90 pixels high. By default, the color is black. Character length and limitation: Six character HTML hexadecimal color code in ASCII
`cpp-header-back-color`	`xs:string` *(Optional)* Sets the background color for the header of the payment page. By default, the color is white. Character length and limitation: Six character HTML hexadecimal color code in ASCII

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Field	Description
cpp-payflow-color	xs:string *(Optional)* Sets the background color for the payment page. By default, the color is white. Character length and limitation: Six character HTML hexadecimal color code in ASCII
PaymentAction (*deprecated*)	ebl:PaymentActionCodeType This field is deprecated. Use PaymentAction in PaymentDetailsType instead. *(Optional)* How you want to obtain payment: • Sale indicates that this is a final sale for which you are requesting payment. (Default) • Authorization indicates that this payment is a basic authorization subject to settlement with PayPal Authorization & Capture. • Order indicates that this payment is an order authorization subject to settlement with PayPal Authorization & Capture. If the transaction does not include a one-time purchase, this field is ignored. **NOTE:** You cannot set this value to Sale in SetExpressCheckout request and then change this value to Authorization or Order on the final API DoExpressCheckoutPayment request. If the value is set to Authorization or Order in SetExpressCheckout, the value may be set to Sale or the same value (either Authorization or Order) in DoExpressCheckoutPayment. Character length and limit: Up to 13 single-byte alphabetic characters Default value: Sale
BuyerEmail	ebl:EmailAddressType *(Optional)* Email address of the buyer as entered during checkout. PayPal uses this value to pre-fill the PayPal membership sign-up portion of the PayPal login page. Character length and limit: 127 single-byte alphanumeric characters
SolutionType	ebl:SolutionTypeType *(Optional)* Type of checkout flow: • Sole: Buyer does not need to create a PayPal account to check out. This is referred to as PayPal Account Optional. • Mark: Buyer must have a PayPal account to check out. **NOTE:** You can pass Mark to selectively override the PayPal Account Optional setting if PayPal Account Optional is turned on in your merchant account. Passing Sole has no effect if PayPal Account Optional is turned off in your account
LandingPage	ebl:LandingPageType *(Optional)* Type of PayPal page to display: • Billing: non-PayPal account • Login: PayPal account login

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Field	Description
`ChannelType`	`ebl:ChannelType` *(Optional)* Type of channel: • `Merchant`: non-auction seller • `eBayItem`: eBay auction
`giropaySuccessURL`	`xs:string` *(Optional)* The URL on the merchant site to redirect to after a successful giropay payment. Use this field only if you are using giropay or bank transfer payment methods in Germany.
`giropayCancelURL`	`xs:string` *(Optional)* The URL on the merchant site to redirect to after a successful giropay payment. Use this field only if you are using giropay or bank transfer payment methods in Germany.
`BanktxnPendingURL`	`xs:string` *(Optional)* The URL on the merchant site to transfer to after a bank transfer payment. Use this field only if you are using giropay or bank transfer payment methods in Germany.
`BillingAgreement Details`	`ns:BillingAgreementDetailsType` *(Optional)* Billing agreement details.
`Enhanced CheckoutData`	`ed:EnhancedCheckoutDataType` *(Optional)* Enhanced data for different industry segments. For eBay use only.
`OtherPaymentMethods`	`ns:OtherPaymentMethodDetailsType` *(Optional)* List of other payment methods the user can pay with.
`BuyerDetails`	`ns:BuyerDetailsType` *(Optional)* Details about the buyer's account.
`BrandName`	`xs:string` *(Optional)* A label that overrides the business name in the PayPal account on the PayPal hosted checkout pages. Character length and limitations: 127 single-byte alphanumeric characters
`FundingSourceDetail s`	`ns:FundingSourceDetailsType` *(Optional)* Funding source preferences.
`CustomerServiceNumb er`	`xs:string` *(Optional)* Merchant Customer Service number displayed on the PayPal Review page. Limitations: 16 single-byte characters
`GiftMessageEnable`	`xs:string` *(Optional)* Enable gift message widget on the PayPal Review page. Allowable values are `0` and `1`

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Field	Description
GiftReceiptEnable	xs:string *(Optional)* Enable gift receipt widget on the PayPal Review page. Allowable values are 0 and 1
GiftWrapEnable	xs:string *(Optional)* Enable gift wrap widget on the PayPal Review page. **NOTE:** If the value 1 is passed for this field values for the gift wrap amount and gift wrap name are not passed, the gift wrap name will not be displayed and the gift wrap amount will display as 0.00. Allowable values are 0 and 1
GiftWrapName	xs:string *(Optional)* Label for the gift wrap option such as “Box with ribbon”. Limitations: 25 single-byte characters
GiftWrapAmount	ebl:BasicAmounttype *(Optional)* Label for the gift wrap option such as “Blue box with ribbon”. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
BuyerEmailOptinEnable	xs:string *(Optional)* Enable buyer email opt-in on the PayPal Review page. Allowable values are 0 and 1
SurveyQuestion	xs:string *(Optional)* Text for the survey question on the PayPal Review page. If the survey question is present, at least 2 survey answer options need to be present. Limitations: 50 single-byte characters
CallbackVersion	xs:string *(Optional)* The version of the Instant Update API that your callback server uses. The default is the current version.
SurveyEnable	xs:string *(Optional)* Enable survey functionality. Allowable values are 0 and 1
SurveyChoice	xs:string *(Optional)* Possible options for the survey answers on the PayPal Review page. Answers are displayed only if a valid survey question is present. Limitations: 15 single-byte characters

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AddressType Fields

Field	Description
`Name`	`xs:string` Person's name associated with this shipping address. Required if using a shipping address. Character length and limitations: 32 single-byte characters.
`Street1`	`xs:string` First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters. `SHIPTOSTREET` is deprecated since version 63.0. Use `PAYMENTREQUEST_0_SHIPTOSTREET` instead.
`Street2`	`xs:string` *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
`CityName`	`xs:string` Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
`StateOrProvince`	`xs:string` State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
`PostalCode`	`xs:string` U.S. zip code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
`Country`	`ebl:CountryCodeType` Country code. Required if using a shipping address. Character limit: 2 single-byte characters.
`Phone`	`xs:string` *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

PaymentDetailsType Fields

When implementing parallel payments, you can create up to 10 sets of payment details type parameter fields, each representing one payment you are hosting on your marketplace.

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Field	Description
OrderTotal	ebl:BasicAmountType *(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged. Purchase-specific fields will be ignored. **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
ItemTotal	ebl:BasicAmountType Sum of cost of all items in this order. For digital goods, this field is required. **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
ShippingTotal	ebl:BasicAmountType *(Optional)* Total shipping costs for this order. **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
InsuranceOptionOffered	xs:boolean *(Optional)* If true, the Insurance drop-down on the PayPal Review page displays the string 'Yes' and the insurance amount. If true, the total shipping insurance for this order must be a positive number. Character length and limitations: true or false

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Field	Description
`HandlingTotal`	`ebl:BasicAmountType` *(Optional)* Total handling costs for this order. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`TaxTotal`	`ebl:BasicAmountType` *(Optional)* Sum of tax for all items in this order. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`OrderDescription`	`xs:string` *(Optional)* Description of items the customer is purchasing. The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 127 single-byte alphanumeric characters
`Custom`	`xs:string` *(Optional)* A free-form field for your own use. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 256 single-byte alphanumeric characters
`InvoiceID`	`xs:string` *(Optional)* Your own invoice or tracking number. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 127 single-byte alphanumeric characters

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Field	Description
NotifyURL	xs:string *(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction. If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists. **IMPORTANT:** The notify URL only applies to DoExpressCheckoutPayment. This value is ignored when set in SetExpressCheckout or GetExpressCheckoutDetails. Character length and limitations: 2,048 single-byte alphanumeric characters
ShipToAddress	ns:AddressType *(Optional)* Address the order will be shipped to.
PaymentDetailsItem	ebl:PaymentDetailsItemType *(Optional)* Details about each individual item included in the order.
EnhancedPaymentData	ed:EnhancedPaymentDataType *(Optional)* Enhanced Data section to accept channel specific data (eBay).
NoteText	xs:string *(Optional)* Note to the merchant. Character length and limitations: 255 single-byte characters
SellerDetails	ns:SellerDetailsType *(Optional)* Details about the merchant. This information is used for emails sent out for eBay transactions.
TransactionId	xs:string *(Optional)* Transaction identification number of the transaction that was created. **NOTE:** This field is only returned after a successful transaction for DoExpressCheckout has occurred.
AllowedPaymentMethodType	xs:string *(Optional)* The payment method type. Specify the value InstantPaymentOnly.

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Field	Description
PaymentAction	ebl:PaymentActionCodeType How you want to obtain payment. When implementing parallel payments, this field is required and must be set to Order. When implementing digital goods, this field is required and must be set to Sale. • Sale indicates that this is a final sale for which you are requesting payment. (Default) • Authorization indicates that this payment is a basic authorization subject to settlement with PayPal Authorization & Capture. • Order indicates that this payment is an order authorization subject to settlement with PayPal Authorization & Capture. If the transaction does not include a one-time purchase, this field is ignored. **NOTE:** You cannot set this value to Sale in SetExpressCheckout request and then change this value to Authorization or Order on the final API DoExpressCheckoutPayment request. If the value is set to Authorization or Order in SetExpressCheckout, the value may be set to Sale or the same value (either Authorization or Order) in DoExpressCheckoutPayment. Default value: Sale Character length and limit: Up to 13 single-byte alphabetic characters
PaymentRequestID	xs:string A unique identifier of the specific payment request, which is required for parallel payments. Character length and limit: Up to 127 single-byte characters

PaymentDetailsItemType Fields

Field	Description
Name	xs:string Item name. This field is required when ItemCategory is passed. Introduced in Version 53.0. Character length and limitations: 127 single-byte characters
Description	xs:string *(Optional.)* Item description. Introduced in Version 53.0. Character length and limitations: 127 single-byte characters

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Field	Description
`Amount`	`ebl:BasicAmountType` Cost of item. This field is required when `ItemCategory` is passed. Introduced in Version 53.0. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`Number`	`xs:string` *(Optional)* Item number. Introduced in Version 53.0.
`Quantity`	`xs:integer` Item quantity. This field is required when `ItemCategory` is passed. For digital goods (`ItemCategory=Digital`), this field is required. Introduced in Version 53.0. Character length and limitations: Any positive integer
`Tax`	`ebl:BasicAmountType` *(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`ItemWeight`	`xs:integer` *(Optional)* Item weight corresponds to the weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query.
`ItemLength`	`xs:integer` *(Optional)* Item length corresponds to the length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer
`ItemWidth`	`xs:integer` *(Optional)* Item width corresponds to the width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer
`ItemHeight`	`xs:integer` *(Optional)* Item height corresponds to the height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer

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Field	Description
`EbayItemPaymentDetailsItem`	`eBl:ebayItemPaymentDetailsItemType` *(Optional)* Information relating to an auction sale on eBay.
`ItemURL`	`xs:string` *(Optional)* URL for the item.
`EnhancedItemData`	`ed:EnhancedItemDataType` *(Optional)* Enhanced data for each item in the cart. For eBay use only.
`ItemCategory`	`ns:ItemCategoryType` Is one of the following values. This field is available since version 65.1. For digital goods, this field is required and must be set to `Digital`. • `Digital` • `Physical`

SellerDetailsType Fields

EbayItemPaymentDetailsItemType Fields

Field	Description
`ItemNumber`	`xs:string` *(Optional)* Auction item number. Character length: 765 single-byte characters
`AuctionTransactionId`	`xs:string` *(Optional)* Auction transaction identification number. Character length: 255 single-byte characters
`OrderID`	`xs:string` *(Optional)* Auction order identification number. Character length: 64 single-byte characters
`CartID`	`xs:string` *(Optional)* The unique identifier provided by eBay for this order from the buyer. Character length: 255 single-byte characters

BuyerDetailsType Fields

Field	Description
`BuyerId`	`xs:string` *(Optional)* The unique identifier provided by eBay for this buyer. The value may or may not be the same as the username. In the case of eBay, it is different. Character length and limitations: 255 single-byte characters

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Field	Description
BuyerUserName	xs:string *(Optional)* The user name of the user at the marketplaces site.
BuyerRegistrationDate	xs:dateTime *(Optional)* Date when the user registered with the marketplace.

FundingSourceDetailsType Fields

Field	Description
AllowPushFunding	xs:string *(Optional)* Whether the merchant can accept push funding: • 0 — Merchant can accept push funding • 1 — Merchant cannot accept push funding **NOTE:** This field overrides the setting in the merchant's PayPal account.
AllowedPaymentMethod	ns:AllowedPaymentMethodType *(Optional)* The type of funding sources allowed: • Default — Merchant supports all funding sources • InstantOnly — Merchant only supports instant payments • AnyFundingSource — All funding methods allowed, to be chosen by the buyer irrespective of merchant profile setting • InstantFundingSource — Only instant funding methods are allowed: block echeck, meft, elevecheck. This overrides any merchant profile settings

ShippingOptionsType Fields

Field	Description
ShippingOptionIsDefault	xs:boolean *(Optional)* Shipping option. Required if specifying the Callback URL. When the value of this flat rate shipping option is true, PayPal selects it by default for the buyer and reflects it in the "default" total. **NOTE:** There must be ONE and ONLY ONE default. It is not OK to have no default. Character length and limitations: Boolean: true or false.
ShippingOptionName	xs:string *(Optional)* Shipping option. Required if specifying the Callback URL. The internal name of the shipping option such as Air, Ground, Expedited, and so forth. Character length and limitations: 50 character-string.

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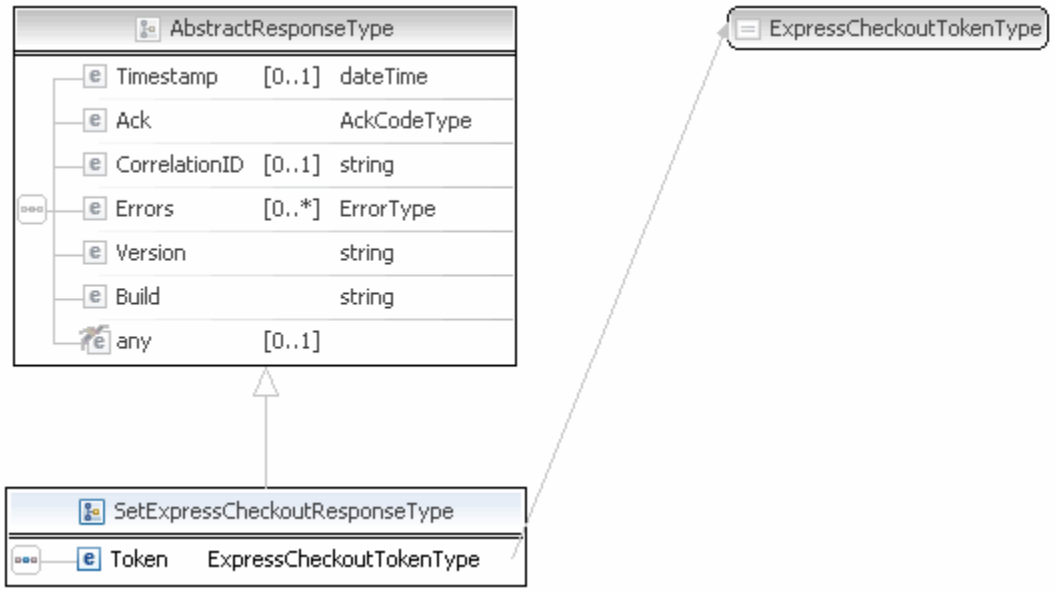
Field	Description
`ShippingOptionAmount`	`ebl:BasicAmountType` *(Optional)* Shipping option. Required if specifying the Callback URL. The amount of the flat rate shipping option. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).

BillingAgreementDetailsType Fields

Field	Description
`BillingType`	`ns:BillingCodeType` *(Required)* Type of billing agreement. For recurring payments, this field must be set to `RecurringPayments`. In this case, you can specify up to ten billing agreements. Other defined values are not valid.
`BillingAgreement Description`	`xs:string` Description of goods or services associated with the billing agreement, which is required for each recurring payment billing agreement. PayPal recommends that the description contain a brief summary of the billing agreement terms and conditions. For example, customer will be billed at “9.99 per month for 2 years”. Character length and limitations: 127 single-byte alphanumeric bytes.
`PaymentType`	`ns:MerchantPullPaymentCodeType` *(Optional)* Specifies type of PayPal payment you require for the billing agreement. • `Any` • `InstantOnly` **NOTE:** For recurring payments, this field is ignored.
`BillingAgreement Custom`	`xs:string` *(Optional)* Custom annotation field for your own use. **NOTE:** For recurring payments, this field is ignored. Character length and limitations: 256 single-byte alphanumeric bytes.

SetExpressCheckout Response Message

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

SetExpressCheckout Response Fields

Field	Description
Token	`xs:string` A timestamped token by which you identify to PayPal that you are processing this payment with Express Checkout. The token expires after three hours. If you set the token in the `SetExpressCheckout` request, the value of the token in the response is identical to the value in the request. Character length and limitations: 20 single-byte characters

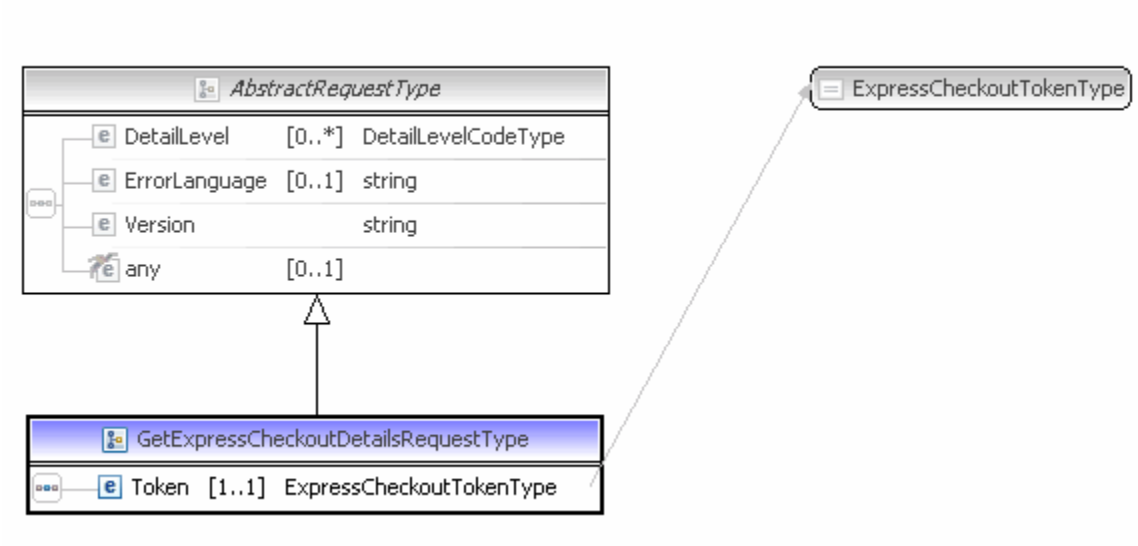
GetExpressCheckoutDetails API Operation

Obtain information about an Express Checkout transaction.

- "GetExpressCheckoutDetails Request Message" on page 91
- "GetExpressCheckoutDetails Response Message" on page 92

GetExpressCheckoutDetails Request Message

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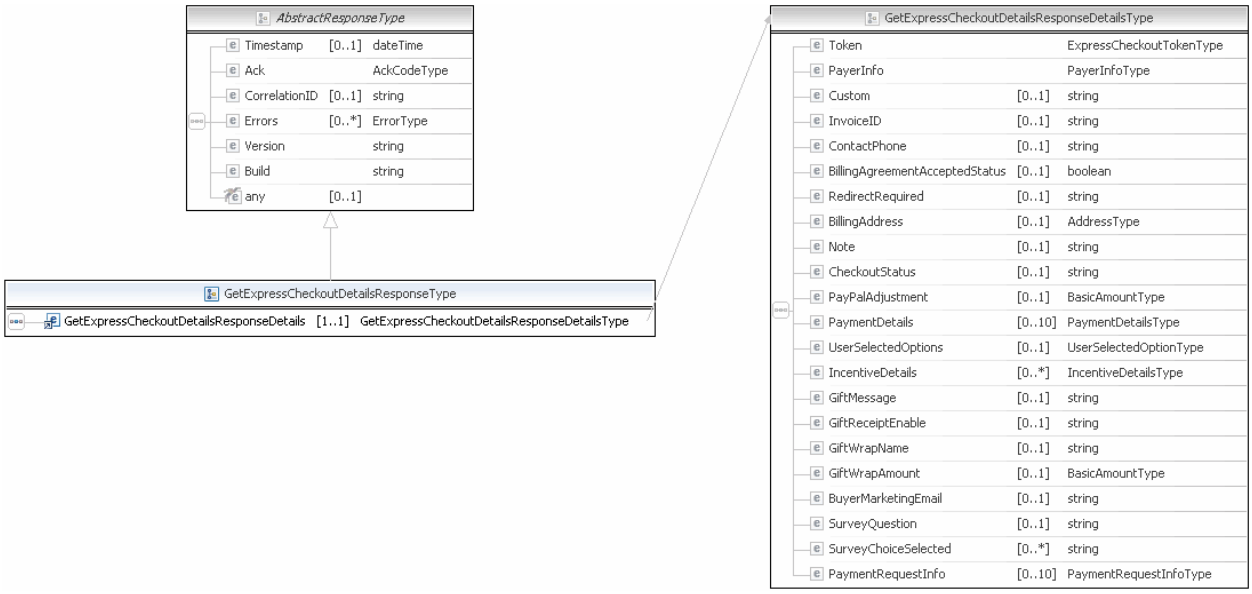
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetExpressCheckoutDetails Request Fields

Field	Description
Token	`xs:string` *(Required)* A timestamped token, the value of which was returned by `SetExpressCheckout` response. Character length and limitations: 20 single-byte characters

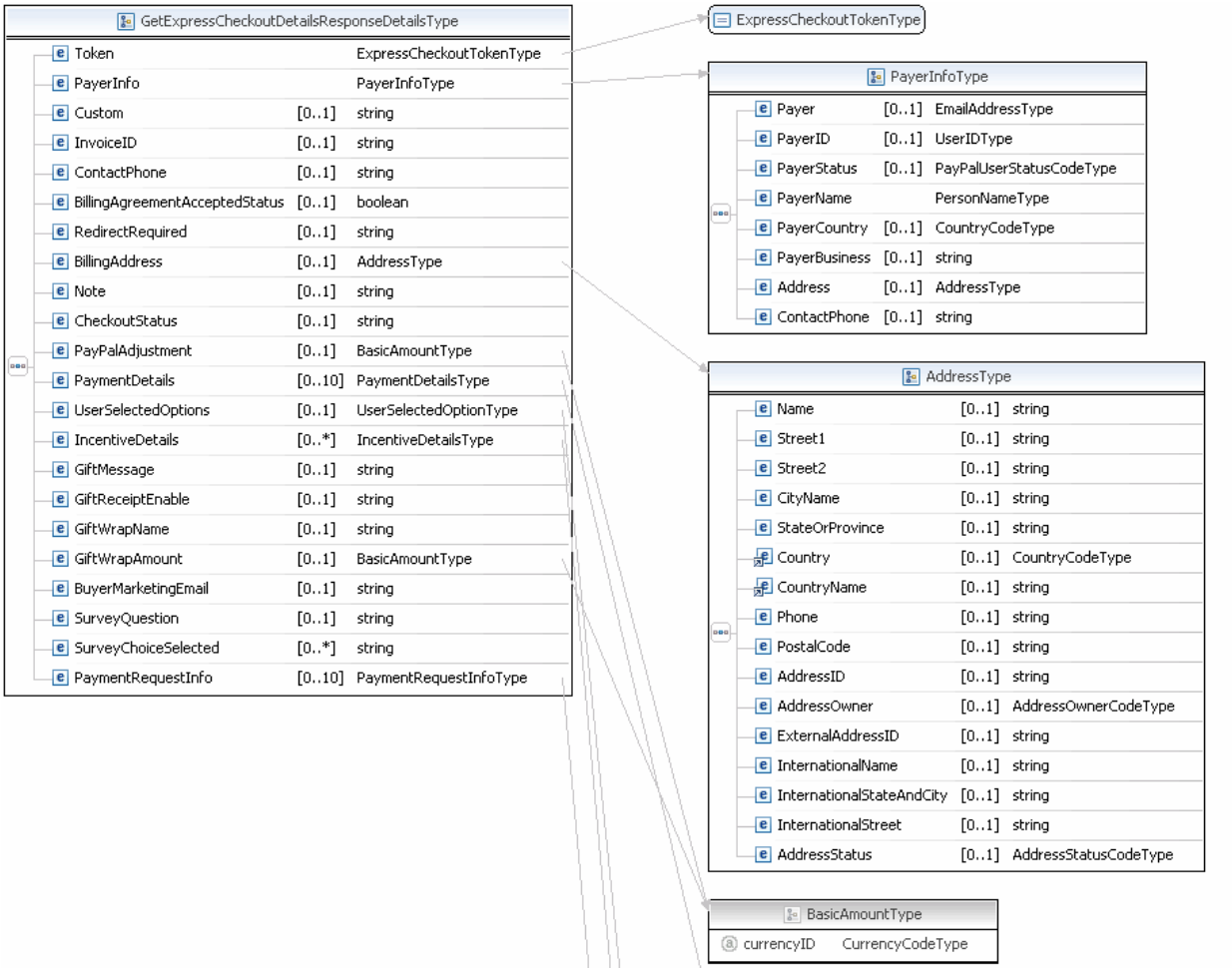
GetExpressCheckoutDetails Response Message

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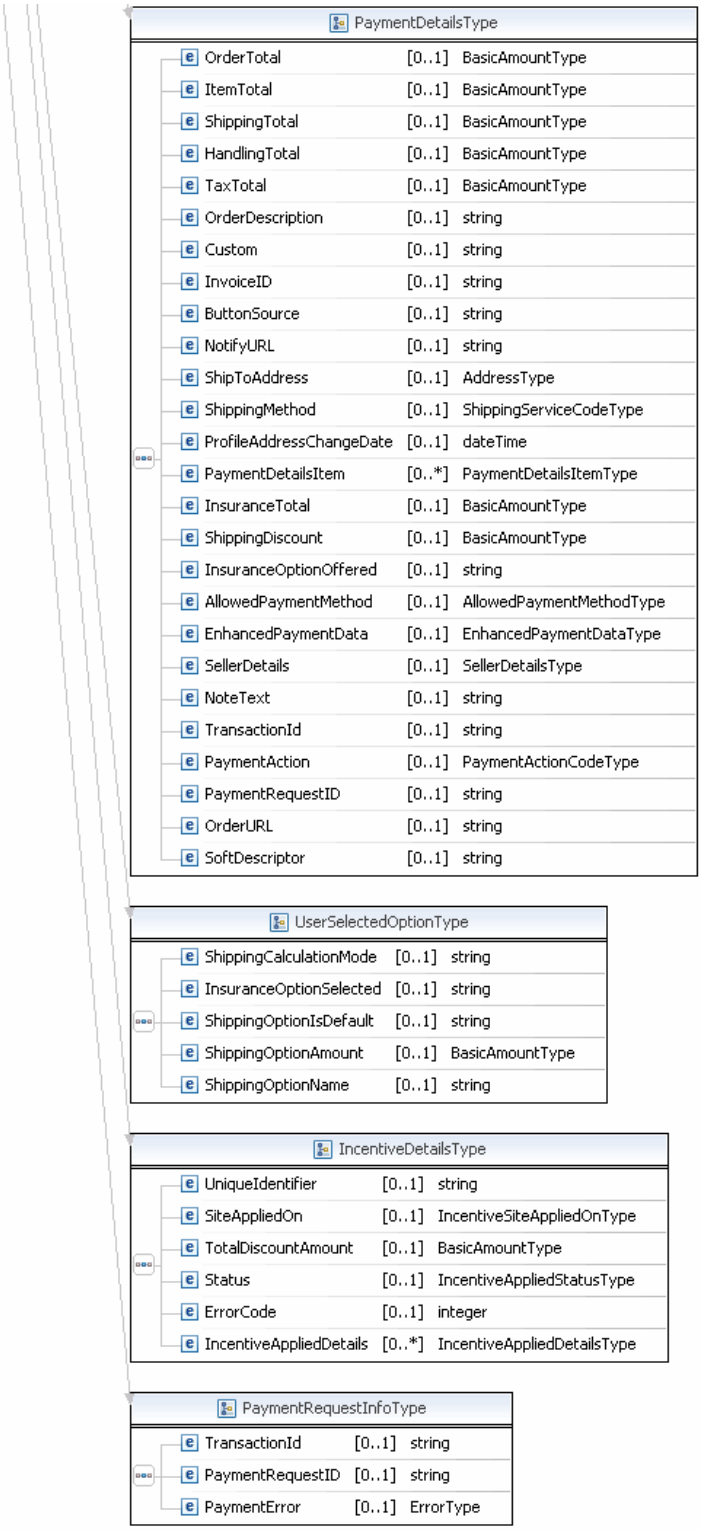
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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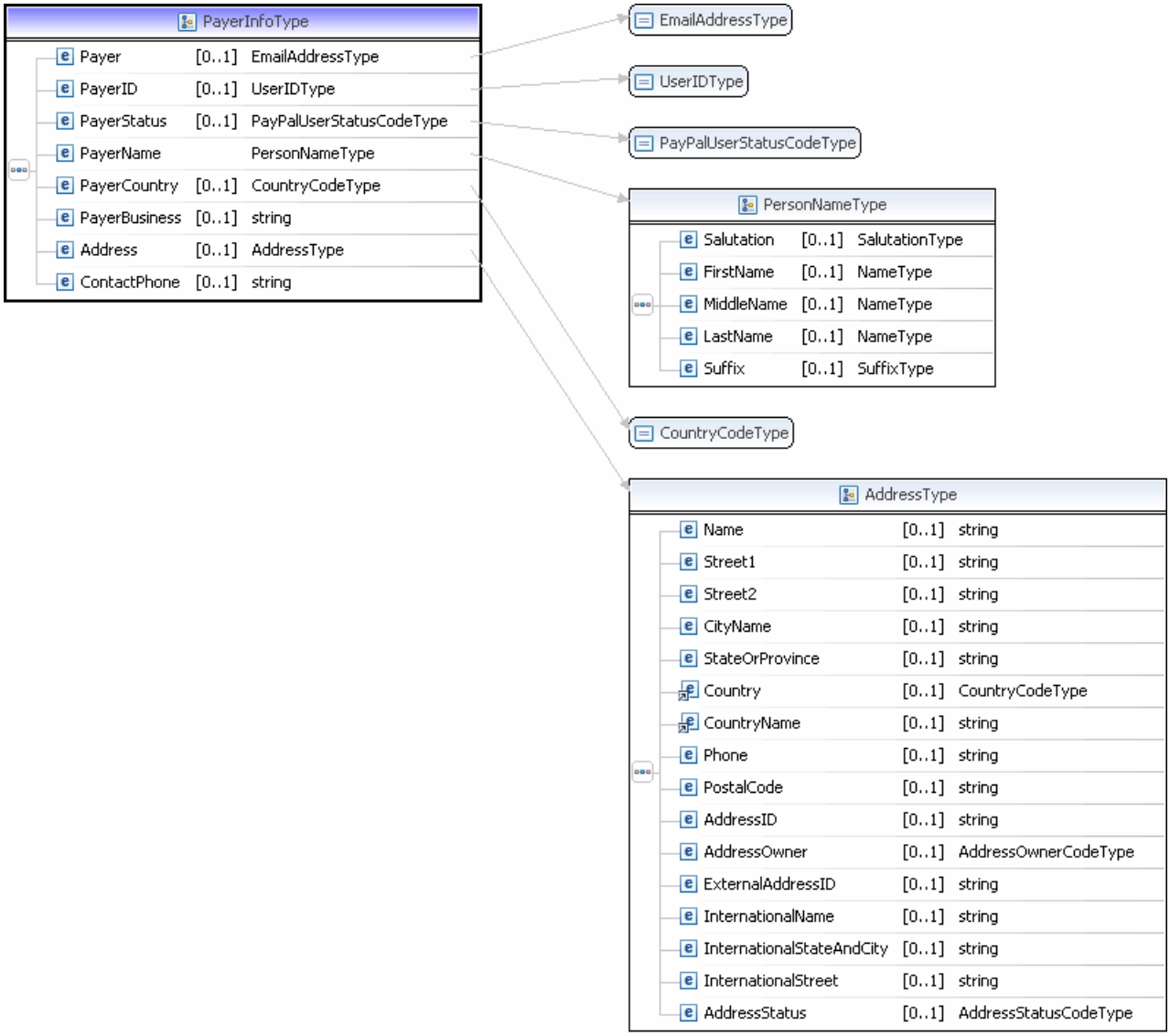
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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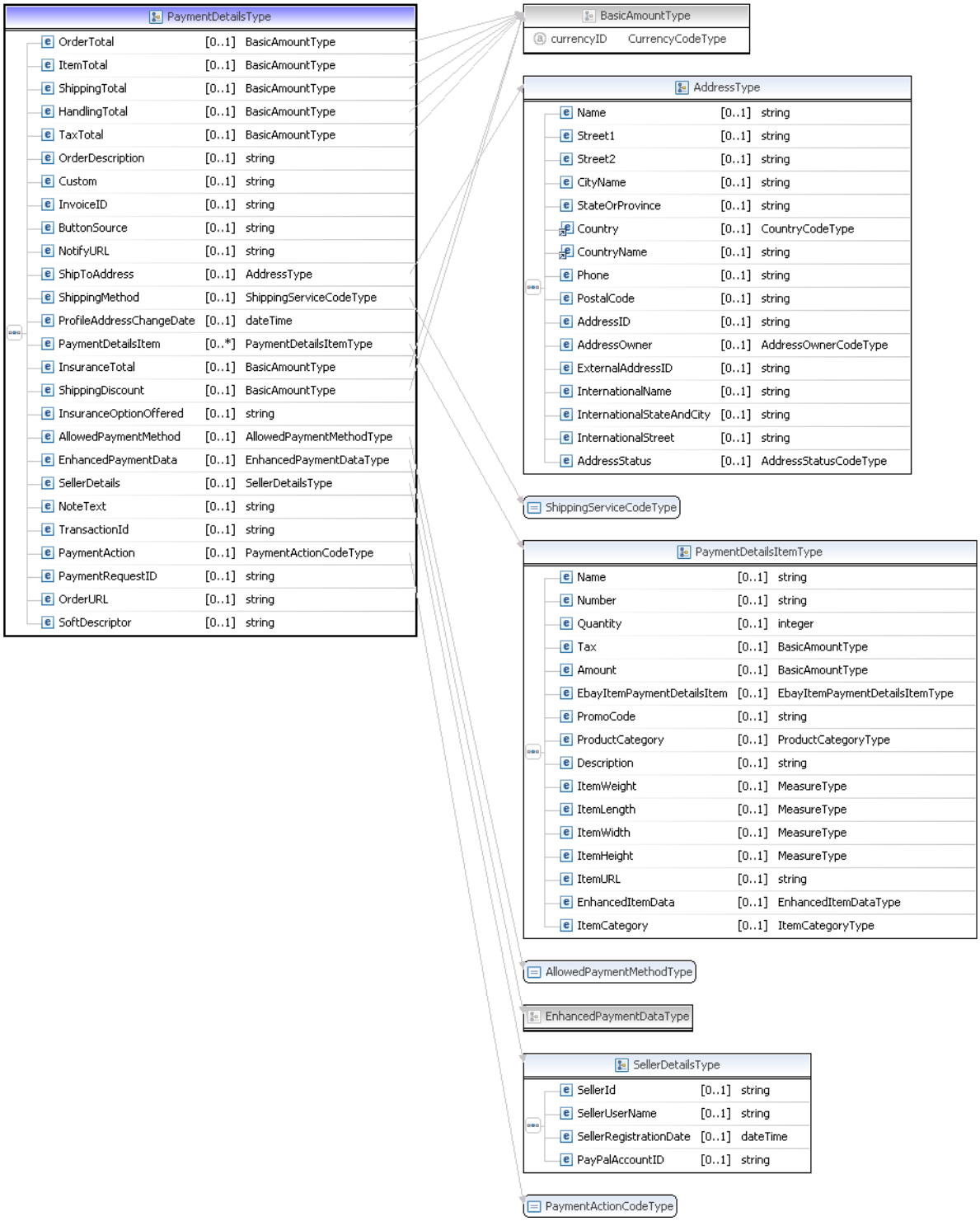
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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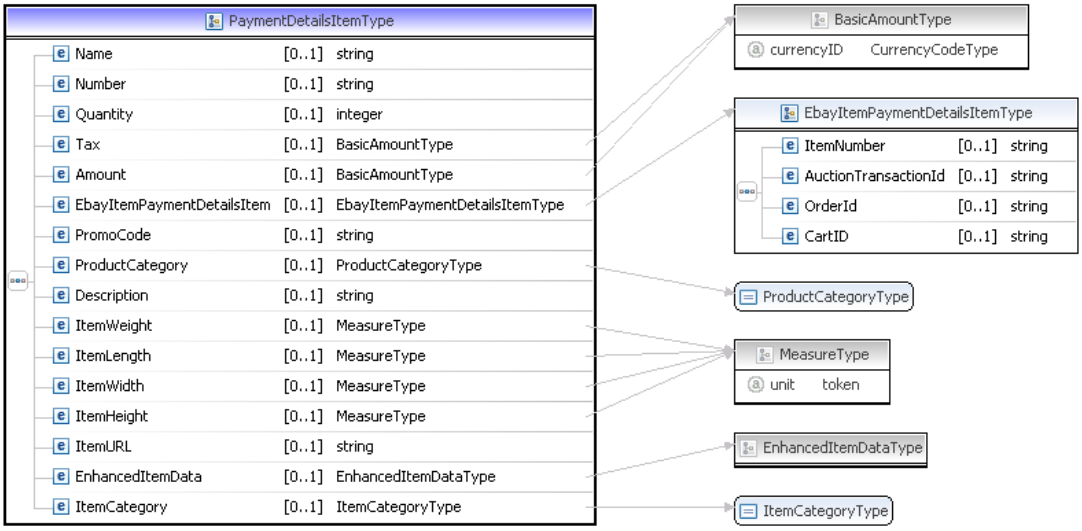
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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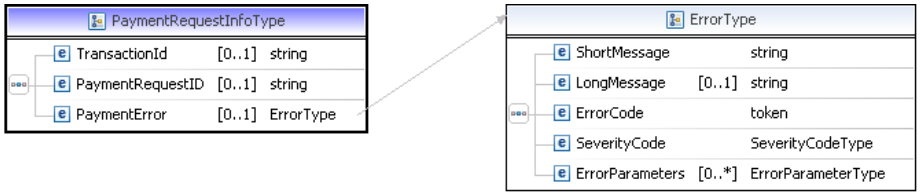


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetExpressCheckoutDetails Response Fields

Field	Description
`Token`	`xs:string` The timestamped token value that was returned by `SetExpressCheckout` response and passed on `GetExpressCheckoutDetails` request. Character length and limitations: 20 single-byte characters
`PayerInfo`	`ebl:PayerInfoType` Information about the payer.
`Custom`	`xs:string` A free-form field for your own use, as set by you in the `Custom` element of `SetExpressCheckout` request. Character length and limitations: 256 single-byte alphanumeric characters
`InvoiceID`	`xs:string` Your own invoice or tracking number, as set by you in the element of the same name in `SetExpressCheckout` request. Character length and limitations: 127 single-byte alphanumeric characters

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Field	Description
`ContactPhone`	`xs:string` Payer's contact telephone number. **NOTE:** PayPal returns a contact telephone number only if your Merchant account profile settings require that the buyer enter one. Character length and limitations: Field mask is XXX-XXX-XXXX (for US numbers) or +XXX XXXXXXXX (for international numbers)
`PaymentDetails`	`ebl:PaymentDetailsType` Information about the payment.
`PayPalAdjustment`	`cc:BasicAmountType` A discount or gift certificate offered by PayPal to the buyer. This amount will be represented by a negative amount. If the buyer has a negative PayPal account balance, PayPal adds the negative balance to the transaction amount, which is represented as a positive value.
`Note`	`xs:string` This field is deprecated. The text entered by the buyer on the PayPal website if the `AllowNote` field was set to `1` in `SetExpressCheckout`. Character length and limitations: 255 single-byte characters
`RedirectRequired`	`xs:boolean` Flag to indicate whether you need to redirect the customer to back to PayPal after completing the transaction. **NOTE:** Use this field only if you are using giropay or bank transfer payment methods in Germany.
`UserSelectedOptions`	`ebl:UserSelectedOptionsType` Shipping options and insurance.
`CheckoutStatus`	`ebl:CheckoutStatusType` Returns the status of the checkout session. Possible values are: • `PaymentActionNotInitiated` • `PaymentActionFailed` • `PaymentActionInProgress` • `PaymentCompleted` If payment is completed, the transaction identification number of the resulting transaction is returned.
`GiftMessage`	`xs:string` The gift message entered by the buyer on the PayPal Review page. Limitations: 150 single-byte characters
`GiftReceiptEnable`	`xs:string` Returns `true` if the buyer requested a gift receipt on the PayPal Review page and `false` if the buyer did not.

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Field	Description
GiftWrapName	xs:string Return the gift wrap name *only* if the gift option on the PayPal Review page is selected by the buyer. Limitations: 25 single-byte characters
GiftWrapAmount	ebl:BasicAmountType Return the amount *only* if the gift option on the PayPal Review page is selected by the buyer. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
BuyerMarketingEmail	ebl:EmailAddressType The buyer email address opted in by the buyer on the PayPal Review page. Limitations: 127 single-byte characters
SurveyQuestion	xs:string The survey question on the PayPal Review page. Limitations: 50 single-byte characters
SurveyChoiceSelected	xs:string The survey response selected by the buyer on the PayPal Review page. Limitations: 15 single-byte characters
PaymentRequestInfo	ns:PaymentRequestInfoType Payment request information for each bucket in the cart.

PayerInfoType Fields for Digital Goods

Field	Description
Payer	ebl:EmailAddressType Email address of payer. Character length and limitations: 127 single-byte characters
PayerID	ebl:UserIDType Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters
PayerStatus	ebl:PayPalUserStatusCodeType Status of payer. Valid values are: • verified • unverified Character length and limitations: 10 single-byte alphabetic characters

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Field	Description
PayerName	ebl:PersonNameType First and last name of payer.
PayerCountry	ebl:CountryCodeType Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters
PayerBusiness	xs:string Payer's business name. Character length and limitations: 127 single-byte characters
Address	xs:string Payer's shipping address information.

PayerNameType Fields

Field	Description
Salutation	xs:string Payer's salutation. Character length and limitations: 20 single-byte characters.
FirstName	ebl:PersonNameType Payer's first name. Character length and limitations: 25 single-byte characters.
MiddleName	ebl:NameUser Payer's middle name. Character length and limitations: 25 single-byte characters.
LastName	ebl:NameType Payer's last name. Character length and limitations: 25 single-byte characters.
Suffix	ebl:SuffixType Payer's suffix. Character length and limitations: 12 single-byte characters.

AddressType Fields

Field	Description
Name	xs:string Person's name associated with this shipping address. Character length and limitations: 32 single-byte characters.

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Field	Description
`Street1`	`xs:string` First street address. Character length and limitations: 100 single-byte characters.
`Street2`	`xs:string` Second street address. Character length and limitations: 100 single-byte characters.
`CityName`	`xs:string` Name of city. Character length and limitations: 40 single-byte characters.
`StateOrProvince`	`xs:string` State or province. Character length and limitations: 40 single-byte characters.
`PostalCode`	`xs:string` U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
`Country`	`ebl:CountryCodeType` Country code. Character limit: 2 single-byte characters.
`Phone`	`xs:string` Phone number. Character length and limit: 20 single-byte characters.
`AddressStatus`	`ebl:AddressStatusTypeCode` Status of street address on file with PayPal. Valid values are: • `none` • `Confirmed` • `Unconfirmed`

PaymentDetailsType Fields

When implementing parallel payments, you can create up to 10 sets of payment details type parameter fields, each representing one payment you are hosting on your marketplace.

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Field	Description
`OrderTotal`	`ebl:BasicAmountType` The total cost of the transaction to the customer. If shipping cost (not applicable to digital goods) and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged. Purchase-specific fields will be ignored. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`ItemTotal`	`ebl:BasicAmountType` Sum of cost of all items in this order. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
`ShippingTotal`	`ebl:BasicAmountType` Total shipping costs for this order. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`InsuranceOptionOffered`	`xs:boolean` If `true`, the Insurance drop-down on the PayPal Review page displays the string `'Yes'` and the insurance amount. If `true`, the total shipping insurance for this order must be a positive number. Character length and limitations: `true` or `false`
`HandlingTotal`	`ebl:BasicAmountType` Total handling costs for this order. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`TaxTotal`	`ebl:BasicAmountType` Sum of tax for all items in this order. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.

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Field	Description
`OrderDescription`	`xs:string` Description of items the customer is purchasing. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 127 single-byte alphanumeric characters
`Custom`	`xs:string` A free-form field for your own use. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 256 single-byte alphanumeric characters
`InvoiceID`	`xs:string` Your own invoice or tracking number. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 127 single-byte alphanumeric characters
`NotifyURL`	`xs:string` Your URL for receiving Instant Payment Notification (IPN) about this transaction. If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists. **IMPORTANT:** The notify URL only applies to `DoExpressCheckoutPayment`. This value is ignored when set in `SetExpressCheckout` or `GetExpressCheckoutDetails`. Character length and limitations: 2,048 single-byte alphanumeric characters
`ShipToAddress`	`ns:AddressType` Address the order will be shipped to.
`PaymentDetailsItem`	`ebl:PaymentDetailsItemType` Details about each individual item included in the order.
`EnhancedPaymentData`	`ed:EnhancedPaymentDataType` Enhanced Data section to accept channel specific data.
`NoteText`	`xs:string` Note to the merchant. Character length and limitations: 255 single-byte characters

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Field	Description
`TransactionId`	`xs:string` Transaction identification number of the transaction that was created. **NOTE:** This field is only returned after a successful transaction for `DoExpressCheckout` has occurred.
`AllowedPaymentMethodType`	`xs:string` The payment method type. Specify the value `InstantPaymentOnly`.
`PaymentRequestID`	`xs:string` The unique identifier of the specific payment in the case of parallel payments. This value will be the same as the one passed in the `SetExpressCheckout` request. Character length and limitations: 127 single-byte characters

PaymentDetailsItemType Fields

Field	Description
`Name`	`xs:string` Item name. Character length and limitations: 127 single-byte characters
`Description`	`xs:string` Item description. Character length and limitations: 127 single-byte characters `Description` is available since version 53.0.
`Amount`	`ebl:BasicAmountType` Cost of item. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`Number`	`xs:string` Item number. Character length and limitations: 127 single-byte characters
`Quantity`	`xs:integer` Item quantity. Character length and limitations: Any positive integer

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Field	Description
`Tax`	`ebl:BasicAmountType` Item sales tax. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`ItemWeight`	`xs:integer` Item weight corresponds to the weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer
`ItemLength`	`xs:integer` Item length corresponds to the length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer
`ItemWidth`	`xs:integer` Item width corresponds to the width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer
`ItemHeight`	`xs:integer` Item height corresponds to the height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer
`EbayItemPayment DetailsItem`	`eBl:ebayItemPaymentDetailsItemType` Information relating to an auction sale on eBay.
`ItemCategory`	`ns:ItemCategoryType` Is one of the following values. This field is available since version 65.1. • `Digital` • `Physical` For digital goods (`ItemCategory=Digital`), this field is required.

EbayItemPaymentDetailsItemType Fields

Field	Description
`ItemNumber`	`xs:string` Auction item number. Character length: 765 single-byte characters

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Field	Description
AuctionTransactionId	xs:string Auction transaction identification number. Character length: 255 single-byte characters
OrderID	xs:string Auction order identification number. Character length: 64 single-byte characters
CartID	xs:string The unique identifier provided by eBay for this order from the buyer. Character length: 255 single-byte characters

UserSelectedOptionsType Fields

Field	Description
ShippingCalculationMode	xs:string Describes how the options that were presented to the user were determined. Is one of the following values: • API - Callback • API - Flatrate
InsuranceOptionSelected	xs:boolean The Yes/No option that was chosen by the buyer for insurance.
ShippingOptionIsDefault	xs:boolean Is true if the buyer chose the default shipping option. Character length and limitations: true or false
ShippingOptionAmount	ebl:BasicAmountType The shipping amount that was chosen by the buyer Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
ShippingOptionName	xs:string The name of the shipping option such as air or ground.

SellerDetailsType Fields

Field	Description
PayPalAccountID	xs:string Unique identifier for the merchant. For parallel payments, this field contains either the Payer Id or the email address of the merchant. Character length and limitations: 127 single-byte alphanumeric characters

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PaymentRequestInfoType Fields

Field	Description
`TransactionId`	`xs:string` Transaction ID for a bucket of 1 to 10 parallel payment requests; available since version 64.0.
`PaymentRequestID`	`xs:string` Payment request ID for a parallel payment in the bucket of 1 to 10 parallel payment requests; available since version 64.0.
`PaymentError`	`ns:ErrorType` Errors associated with the bucket of parallel payment requests; available since version 64.0.

PaymentErrorType Fields

Field	Description
`ShortMessage`	`xs:string` Payment error short message.
`LongMessage`	`xs:string` Payment error long message.
`ErrorCode`	`xs:string` Payment error code.
`SeverityCode`	`xs:string` Payment error severity code.
`ErrorParameters`	`xs:string` Application-specific error values indicating more about the error condition.

DoExpressCheckoutPayment API Operation

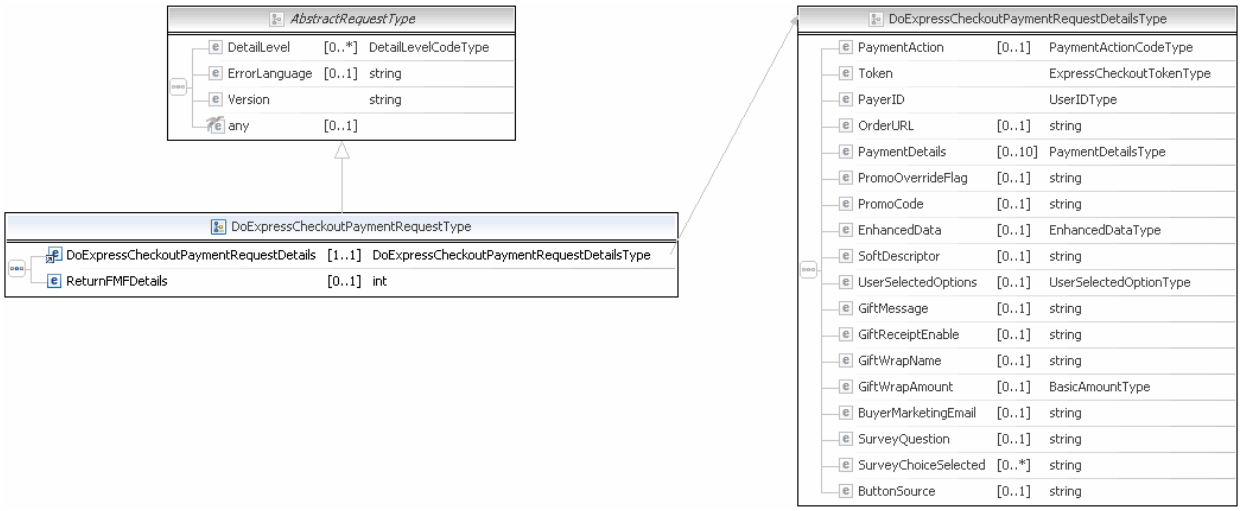
Completes an Express Checkout transaction.

If you set up a billing agreement in your `SetExpressCheckout` API call, the billing agreement is created when you call the `DoExpressCheckoutPayment` API operation.

- "DoExpressCheckoutPayment Request Message" on page 108
- "DoExpressCheckoutPayment Response Message" on page 122

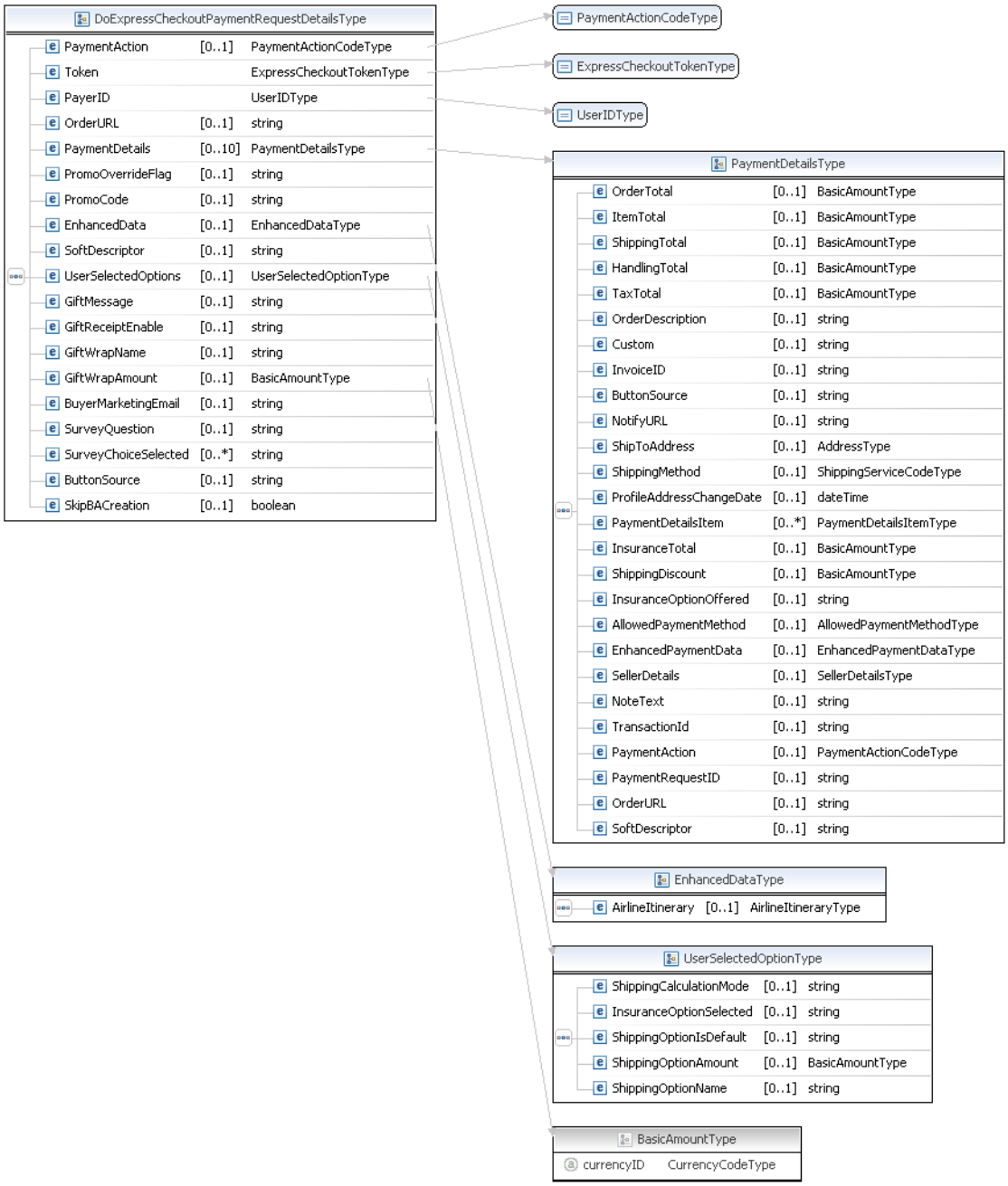
DoExpressCheckoutPayment Request Message

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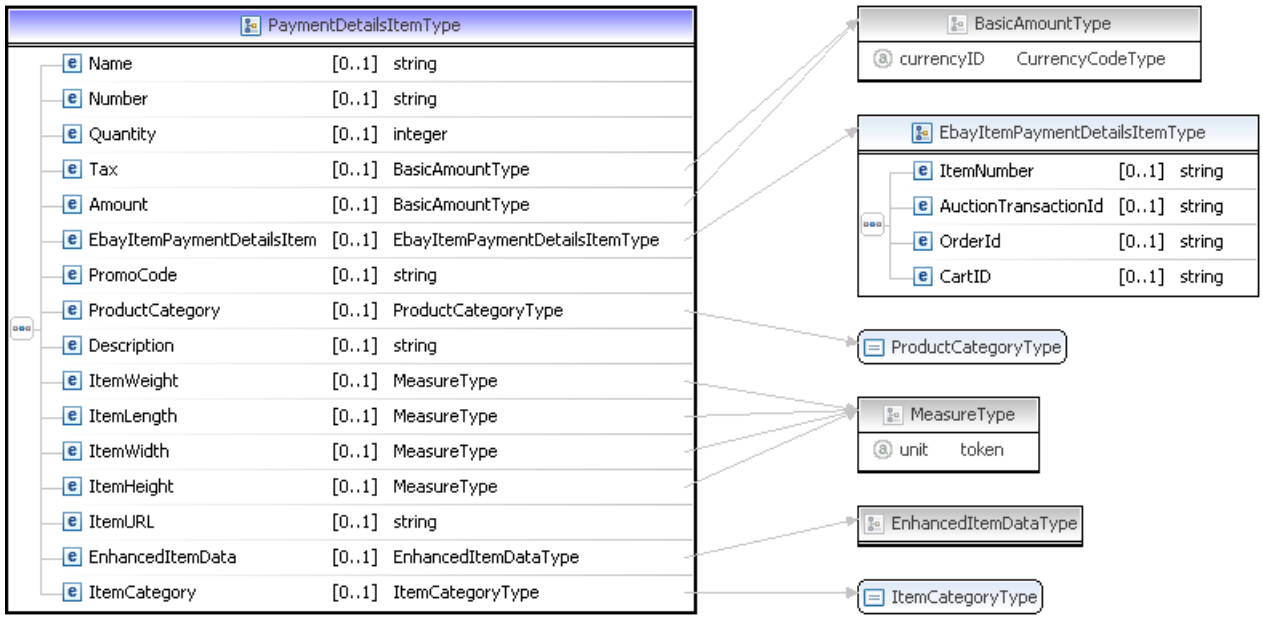
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoExpressCheckoutPayment Request Fields

Field	Description
`Token`	`xs:string` *(Required)* The timestamped token value that was returned by `SetExpressCheckout` response and passed on `GetExpressCheckoutDetails` request. Character length and limitations: 20 single-byte characters
`PaymentAction` (*deprecated*)	`ebl:PaymentActionCodeType` This field is deprecated. Use `PaymentAction` in `PaymentDetailsType` instead. *(Required)* How you want to obtain payment: • `Authorization` indicates that this payment is a basic authorization subject to settlement with PayPal Authorization & Capture. • `Order` indicates that this payment is is an order authorization subject to settlement with PayPal Authorization & Capture. • `Sale` indicates that this is a final sale for which you are requesting payment. **NOTE:** You cannot set this value to `Sale` on `SetExpressCheckout` request and then change this value to `Authorization` on the final PayPal Express Checkout API `DoExpressCheckoutPayment` request. Character length and limit: Up to 13 single-byte alphabetic characters

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Field	Description
`PayerID`	`ebl:UserIDType` *(Required)* Unique PayPal customer account identification number as returned by `GetExpressCheckoutDetails` response Character length and limitations: 13 single-byte alphanumeric characters
`PaymentDetails`	`ebl:PaymentDetailsType` *(Required)* Information about the payment.
`UserSelectedOptions`	`ebl:UserSelectedOptionsType` *(Optional)* Shipping options and insurance selected by the user.
`ReturnFMFDetails`	`xs:boolean` *(Optional)* Flag to indicate whether you want the results returned by Fraud Management Filters. By default, you do not receive this information. • `0` - do not receive FMF details (default) • `1` - receive FMF details
`GiftMessage`	`xs:string` *(Optional)* The gift message entered by the buyer on the PayPal Review page. Limitations: 150 single-byte characters
`GiftReceiptEnable`	`xs:string` *(Optional)* Pass `true` if a gift receipt was selected by the buyer on the PayPal Review page. Otherwise pass `false`.
`GiftWrapName`	`xs:string` *(Optional)* The gift wrap name only if the gift option on the PayPal Review page was selected by the buyer. Limitations: 25 single-byte characters
`GiftWrapAmount`	`ebl:BasicAmounttType` *(Optional)* The amount only if the gift option on the PayPal Review page was selected by the buyer. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`BuyerMarketingEmail`	`ebl:EmailAddressType` *(Optional)* The buyer email address opted in by the buyer on the PayPal Review page. Limitations: 127 single-byte characters
`SurveyQuestion`	xs:string *(Optional)* The survey question on the PayPal Review page. Limitations: 50 single-byte characters

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Field	Description
SurveyChoiceSelected	xs:string *(Optional)* The survey response selected by the buyer on the PayPal Review page. Limitations: 15 single-byte characters
ButtonSource	xs:string *(Optional)* An identification code for use by third-party applications to identify transactions. Character length and limitations: 32 single-byte alphanumeric characters

AddressType Fields

Field	Description
Name	xs:string Person's name associated with this shipping address. Required if using a shipping address. Character length and limitations: 32 single-byte characters.
Street1	xs:string First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters. SHIPTOSTREET is deprecated since version 63.0. Use PAYMENTREQUEST_0_SHIPTOSTREET instead.
Street2	xs:string *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
CityName	xs:string Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
StateOrProvince	xs:string State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
PostalCode	xs:string U.S. zip code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
Country	ebl:CountryCodeType Country code. Required if using a shipping address. Character limit: 2 single-byte characters.
Phone	xs:string *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

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PaymentDetailsType Fields

When implementing parallel payments, you can create up to 10 sets of payment details type parameter fields, each representing one payment you are hosting on your marketplace.

Field	Description
`OrderTotal`	`ebl:BasicAmountType` The total cost of the transaction to the customer. If shipping cost (not applicable to digital goods) and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. For digital goods, the following must be true: • total cost > 0 • total cost <= total cost passed in the call to `SetExpressCheckout` If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged. Purchase-specific fields will be ignored. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`ItemTotal`	`ebl:BasicAmountType` Sum of cost of all items in this order. For digital goods, this field is required. PayPal recommends that you pass the same value in the call to `DoExpressCheckoutPayment` that you passed in the call to `SetExpressCheckout`. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.

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Field	Description
`ShippingTotal`	`ebl:BasicAmountType` *(Optional)* Total shipping costs for this order. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`InsuranceTotal`	`ebl:BasicAmountType` *(Optional)* Total shipping insurance costs for this order. The value must be a non-negative currency amount or `null` if insurance options are offered. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. `InsuranceTotal` is available since version 53.0.
`ShippingDiscount`	`ebl:BasicAmountType` *(Optional)* Shipping discount for this order, specified as a negative number. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. `ShippingDiscount` is available since version 53.0.
`InsuranceOptionOffered`	`xs:boolean` *(Optional)* If `true`, the Insurance drop-down on the PayPal Review page displays the string `'Yes'` and the insurance amount. If `true`, the total shipping insurance for this order must be a positive number. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: `true` or `false`

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Field	Description
`HandlingTotal`	`ebl:BasicAmountType` *(Optional)* Total handling costs for this order. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`TaxTotal`	`ebl:BasicAmountType` *(Optional)* Sum of tax for all items in this order. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD.
`OrderDescription`	`xs:string` *(Optional)* Description of items the customer is purchasing. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: 127 single-byte alphanumeric characters
`Custom`	`xs:string` *(Optional)* A free-form field for your own use. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: 256 single-byte alphanumeric characters

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Field	Description
`InvoiceID`	`xs:string` *(Optional)* Your own invoice or tracking number. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: 127 single-byte alphanumeric characters
`ButtonSource` (*deprecated*)	`xs:string` *(Optional)* An identification code for use by third-party applications to identify transactions. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: 32 single-byte alphanumeric characters `ButtonSource` is deprecated since version 63.0. Use `ButtonSource` in the `DoExpressCheckoutPayment` request fields instead.
`NotifyURL`	`xs:string` *(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction. If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists. **IMPORTANT:** The notify URL only applies to `DoExpressCheckoutPayment`. This value is ignored when set in `SetExpressCheckout` or `GetExpressCheckoutDetails`. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: 2,048 single-byte alphanumeric characters
`ShipToAddress`	`ns:AddressType` *(Optional)* Address the order will be shipped to.
`PaymentDetailsItem`	`ebl:PaymentDetailsItemType` *(Optional)* Details about each individual item included in the order.
`EnhancedPaymentData`	`ed:EnhancedPaymentDataType` *(Optional)* Enhanced Data section to accept channel specific data (eBay).
`NoteText`	`xs:string` *(Optional)* Note to the merchant. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: 255 single-byte characters

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Field	Description
`SoftDescriptor`	`xs:string` A per transaction description of the payment that is passed to the buyer's credit card statement. **NOTE:** Ignore when `PaymentAction=Order`. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
`SellerDetails`	`ns:SellerDetailsType` *(Optional)* Details about the merchant. This information is used for emails sent out for eBay transactions.
`TransactionId`	`xs:string` *(Optional)* Transaction identification number of the transaction that was created. **NOTE:** This field is only returned after a successful transaction for `DoExpressCheckout` has occurred. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
`AllowedPaymentMethodType`	`xs:string` *(Optional)* The payment method type. Specify the value `InstantPaymentOnly`. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.

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Field	Description
PaymentAction	ebl:PaymentActionCodeType How you want to obtain payment. Required when implementing parallel payments; the field must be set to Order. Required when implementing digital goods; the field must be set to Sale. • Sale indicates that this is a final sale for which you are requesting payment. (Default) • Authorization indicates that this payment is a basic authorization subject to settlement with PayPal Authorization & Capture. • Order indicates that this payment is an order authorization subject to settlement with PayPal Authorization & Capture. If the transaction does not include a one-time purchase, this field is ignored. **NOTE:** You cannot set this value to Sale in SetExpressCheckout request and then change this value to Authorization or Order on the final API DoExpressCheckoutPayment request. If the value is set to Authorization or Order in SetExpressCheckout, the value may be set to Sale or the same value (either Authorization or Order) in DoExpressCheckoutPayment. Default value: Sale You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limit: Up to 13 single-byte alphabetic characters
PaymentRequestID	xs:string A unique identifier of the specific payment request. Required when implementing parallel payments. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limit: Up to 127 single-byte characters

PaymentDetailsItemType Fields

Field	Description
Name	xs:string Item name. This field is required when ItemCategory is passed. Introduced in Version 53.0. Character length and limitations: 127 single-byte characters
Description	xs:string *(Optional.)* Item description. Introduced in Version 53.0. Character length and limitations: 127 single-byte characters

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Field	Description
`Amount`	`ebl:BasicAmountType` Cost of item. This field is required when `ItemCategory` is passed. Introduced in Version 53.0. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`Number`	`xs:string` *(Optional)* Item number. Introduced in Version 53.0.
`Quantity`	`xs:integer` Item quantity. This field is required when `ItemCategory` is passed. For digital goods (`ItemCategory=Digital`), this field is required. For digital goods (`L_PAYMENTREQUEST_`*n*`_ITEMCATEGORY`*m*`=Digital`), this field is required. Introduced in Version 53.0. Character length and limitations: Any positive integer
`Tax`	`ebl:BasicAmountType` *(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`ItemWeight`	`xs:integer` *(Optional)* Item weight corresponds to the weight of the item. You can pass this data to the shipping carrier as is without having to make an additional database query.
`ItemLength`	`xs:integer` *(Optional)* Item length corresponds to the length of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer
`ItemWidth`	`xs:integer` *(Optional)* Item width corresponds to the width of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer

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Field	Description
`ItemHeight`	`xs:integer` *(Optional)* Item height corresponds to the height of the item. You can pass this data to the shipping carrier as is without having to make an additional database query. Character length and limitations: Any positive integer
`EbayItemPaymentDetailsItem`	`eBl:ebayItemPaymentDetailsItemType` *(Optional)* Information relating to an auction sale on eBay.
`ItemURL`	`xs:string` *(Optional)* URL for the item.
`EnhancedItemData`	`ed:EnhancedItemDataType` *(Optional)* Enhanced data for each item in the cart. For eBay use only.
`ItemCategory`	`ns:ItemCategoryType` Is one of the following values. This field is available since version 65.1. For digital goods, this field is required and must be set to `Digital`. • `Digital` • `Physical`

EbayItemPaymentDetailsItemType Fields

Field	Description
`ItemNumber`	`xs:string` *(Optional)* Auction item number. Character length: 765 single-byte characters
`AuctionTransactionId`	`xs:string` *(Optional)* Auction transaction identification number. Character length: 255 single-byte characters
`OrderID`	`xs:string` *(Optional)* Auction order identification number. Character length: 64 single-byte characters
`CartID`	`xs:string` *(Optional)* The unique identifier provided by eBay for this order from the buyer. Character length: 255 single-byte characters

UserSelectedOptions Fields

Field	Description
`InsuranceOptionSelected`	`xs:boolean` *(Optional)* The `Yes`/`No` option that was chosen by the buyer chose for insurance.

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Field	Description
ShippingOptionIsDefault	xs:boolean *(Optional)* Is `true` if the buyer chose the default shipping option. Character length and limitations: `true` or `false`
ShippingOptionAmount	ebl:BasicAmountType *(Optional)* The shipping amount that was chosen by the buyer Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
ShippingOptionName	xs:string *(Optional)*The name of the shipping option such as air or ground.

SellerDetailsType Fields

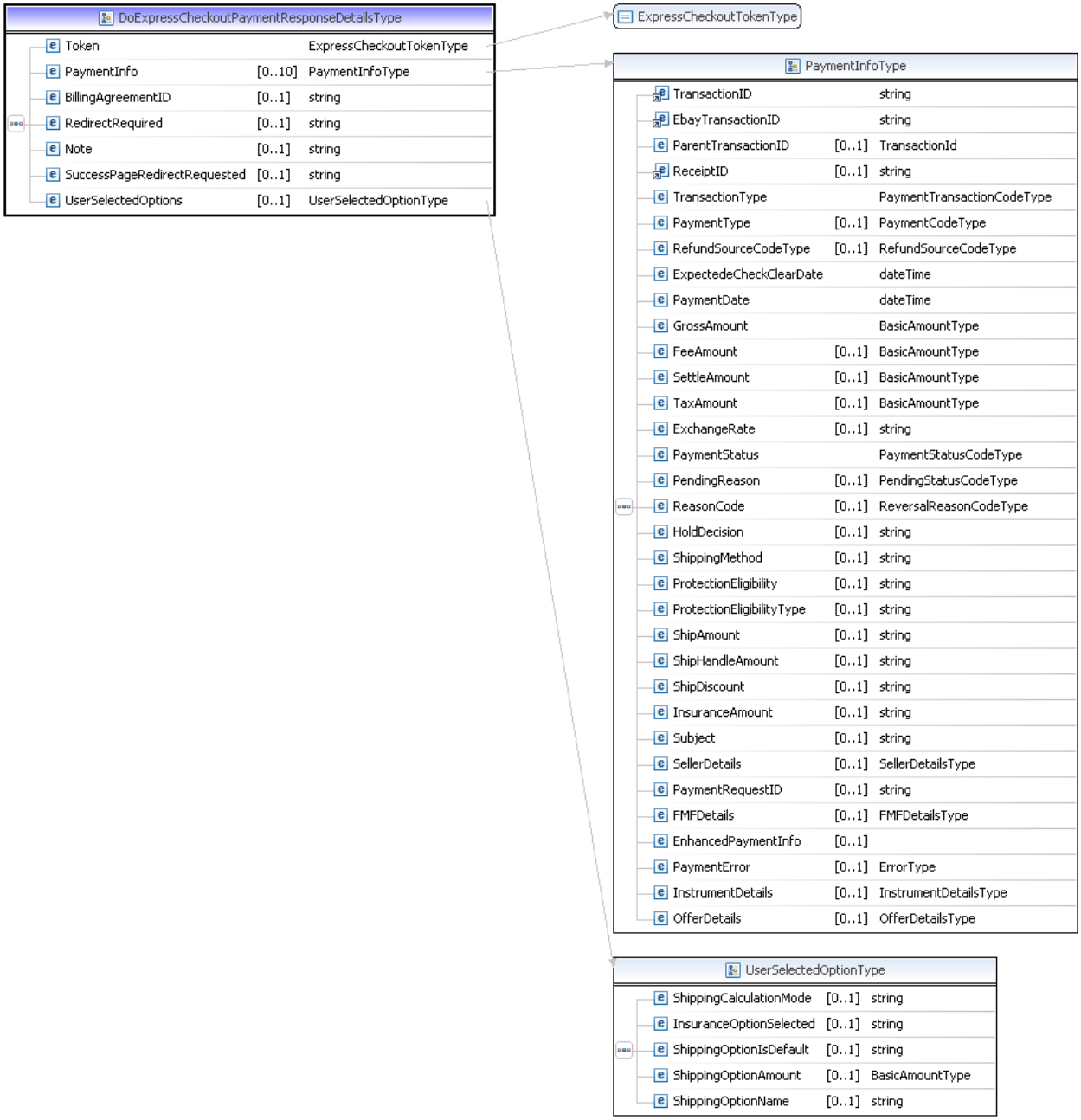
Field	Description
SellerID	xs:string *(Optional)* The unique non-changing identifier for the seller at the marketplace site. This ID is not displayed. Character length and limitations: 13 single-byte alphanumeric characters
SellerUserName	xs:string *(Optional)* The current name of the seller or business at the marketplace site. This name may be shown to the buyer.
SellerRegistrationDate	xs:dateTime (*Optional*) Date when the seller registered with the marketplace.

DoExpressCheckoutPayment Response Message



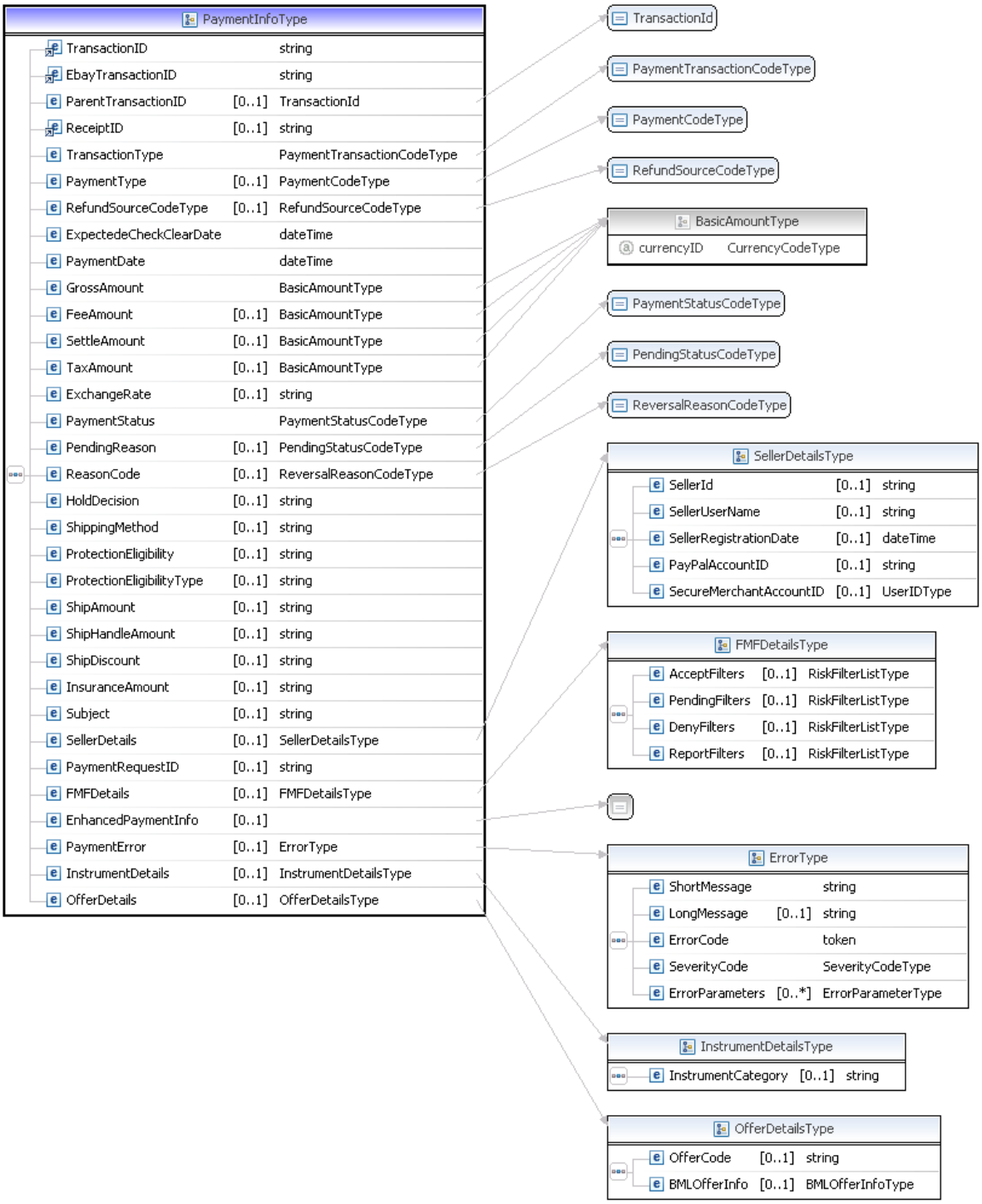
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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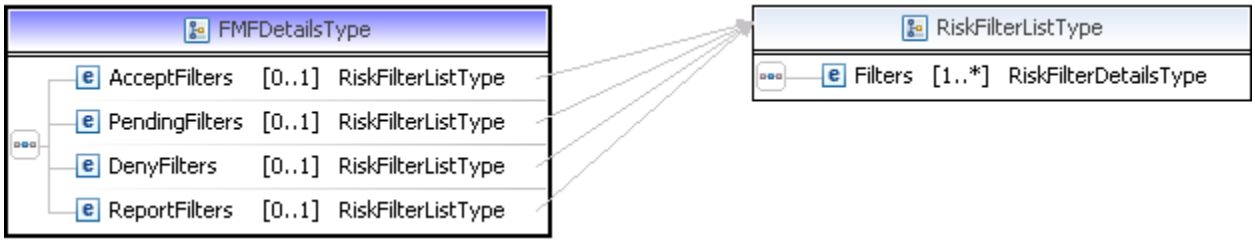
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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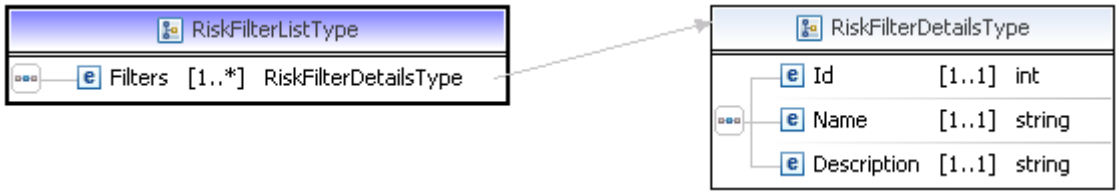


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoExpressCheckoutPayment Response Fields

Field	Description
`Token`	`xs:string` The timestamped token value that was returned by `SetExpressCheckout` response and passed on `GetExpressCheckoutDetails` request. Character length and limitations: 20 single-byte characters
`PaymentInfo`	`ebl:PaymentInfoType` Information about the payment.
`Note`	`xs:string` The text entered by the buyer on the PayPal website if the `AllowNote` field was set to `1` in `SetExpressCheckout`. This field is available since version 53.0. Character length and limitations: 255 single-byte characters
`RedirectRequired`	`xs:boolean` Flag to indicate whether you need to redirect the customer to back to PayPal for guest checkout after successfully completing the transaction. **NOTE:** Use this field only if you are using giropay or bank transfer payment methods in Germany.
`SuccessPageRedirectRequested`	`xs:boolean` Flag to indicate whether you need to redirect the customer to back to PayPal after completing the transaction.

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Field	Description
`FMFDetails` (*deprecated*)	`ebl:FMFDetailsType` Fraud filter details. This field is deprecated since version 63.0. Use `FMFDetails` in `PaymentInfoType` instead.

PaymentInfoType Fields

When implementing parallel payments, up to 10 payment info type sets of payment info type parameter fields can be returned, each representing one payment you are hosting on your marketplace.

Field	Description
`TransactionID`	`xs:string` Unique transaction ID of the payment. **NOTE:** If the `PaymentAction` of the request was `Authorization` or `Order`, this value is your `AuthorizationID` for use with the Authorization & Capture APIs. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations:19 single-byte characters
`TransactionType`	`ns:PaymentTransactionCodeType` The type of transaction Character length and limitations:15 single-byte characters Valid values: • `cart` • `express-checkout` You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
`PaymentType`	`ebl:PaymentCodeType` Indicates whether the payment is instant or delayed. Character length and limitations: Seven single-byte characters Valid values: • `none` • `echeck` • `instant` You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
`PaymentDate`	`xs:dateTime` Time/date stamp of payment

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Field	Description
`GrossAmount`	`ebl:BasicAmountType` The final amount charged, including any shipping and taxes from your Merchant Profile. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`FeeAmount`	`ebl:BasicAmountType` PayPal fee amount charged for the transaction Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
`SettleAmount`	`ebl:BasicAmountType` Amount deposited in your PayPal account after a currency conversion. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
`TaxAmount`	`ebl:BasicAmountType` Tax charged on the transaction. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`ExchangeRate`	`xs:string` Exchange rate if a currency conversion occurred. Relevant only if your are billing in their non-primary currency. If the customer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the customer's account. Character length and limitations: a decimal that does not exceed 17 characters, including decimal point You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.

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Field	Description
PaymentStatus	ebl:PaymentStatusCodeType The status of the payment: • None: No status • Canceled-Reversal: A reversal has been canceled; for example, when you win a dispute and the funds for the reversal have been returned to you. • Completed: The payment has been completed, and the funds have been added successfully to your account balance. • Denied: You denied the payment. This happens only if the payment was previously pending because of possible reasons described for the PendingReason element. • Expired: the authorization period for this payment has been reached. • Failed: The payment has failed. This happens only if the payment was made from your customer's bank account. • In-Progress: The transaction has not terminated, e.g. an authorization may be awaiting completion. • Partially-Refunded: The payment has been partially refunded. • Pending: The payment is pending. See the PendingReason field for more information. • Refunded: You refunded the payment. • Reversed: A payment was reversed due to a chargeback or other type of reversal. The funds have been removed from your account balance and returned to the buyer. The reason for the reversal is specified in the ReasonCode element. • Processed: A payment has been accepted. • Voided: An authorization for this transaction has been voided. • Completed-Funds-Held: The payment has been completed, and the funds have been added successfully to your pending balance. See the HoldDecision field for more information. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.

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Field	Description
PendingReason	ebl:PendingStatusCodeType **NOTE:** PendingReason is returned in the response only if PaymentStatus is Pending. The reason the payment is pending: • none: No pending reason. • address: The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the Preferences section of your Profile. • authorization: The payment is pending because it has been authorized but not settled. You must capture the funds first. • echeck: The payment is pending because it was made by an eCheck that has not yet cleared. • intl: The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your Account Overview. • multi-currency: You do not have a balance in the currency sent, and you do not have your Payment Receiving Preferences set to automatically convert and accept this payment. You must manually accept or deny this payment. • order: The payment is pending because it is part of an order that has been authorized but not settled. • paymentreview: The payment is pending while it is being reviewed by PayPal for risk. • unilateral: The payment is pending because it was made to an email address that is not yet registered or confirmed. • verify: The payment is pending because you are not yet verified. You must verify your account before you can accept this payment. • other: The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
ReasonCode	ebl:ReasonCodeType The reason for a reversal if TransactionType is reversal: • none: No reason code • chargeback: A reversal has occurred on this transaction due to a chargeback by your customer. • guarantee: A reversal has occurred on this transaction due to your customer triggering a money-back guarantee. • buyer-complaint: A reversal has occurred on this transaction due to a complaint about the transaction from your customer. • refund: A reversal has occurred on this transaction because you have given the customer a refund. • other: A reversal has occurred on this transaction due to a reason not listed above. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.

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Field	Description
`HoldDecision`	`xs:string` This field is available since version 71.0 and is returned only if `PaymentStatus` is `Completed-Funds-Held`. This field is available since version 71.0 and is returned only if `PAYMENTINFO_n_PAYMENTSTATUS` is `Completed-Funds-Held`.. Is one of the following values: • `newsellerpaymenthold` - This is a new seller. • `paymenthold` - A hold is placed on the seller's transaction for a reason not listed.
`ProtectionEligibility`	`xs:string` Prior to version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • `Eligible` – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payments and Item Not Received • `PartiallyEligible` – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • `Ineligible` – Seller is not protected under the Seller Protection Policy You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
`ProtectionEligibilityType`	`xs:string` Since version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • `Eligible` – Seller is protected by PayPal's Seller Protection Policy for both Unauthorized Payment and Item Not Received • `ItemNotReceivedEligible` – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • `UnauthorizedPaymentEligible` – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payment • `Ineligible` – Seller is not protected under the Seller Protection Policy You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive.
`EbayTransactionId`	`xs:string` The eBay transaction identification number. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limitations: 255 single-byte characters
`PaymentRequestID`	`xs:string` The unique identifier of the specific payment request. The value should match the one passed in the `DoExpressCheckout` request. You can specify up to 10 payments, where *n* is a digit between 0 and 9, inclusive. Character length and limit: Up to 127 single-byte characters
`EnhancedPaymentInfo`	`xs:EnhancedPaymentInfoType` Enhanced payment information.
`SellerDetails`	`xs:SellerDetailsType` Details about this seller.

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Field	Description
FMFDetails	xs:FMFDetailsType List of fraud management filters.
PaymentError	ns:ErrorType Indicates the payment status for an individual payment request in the case of parallel payments.

UserSelectedOptions Fields

Field	Description
ShippingCalculationMode	xs:string Describes how the options that were presented to the user were determined. Is one of the following values: • API - Callback • API - Flatrate
InsuranceOptionSelected	xs:boolean The Yes/No option that was chosen by the buyer for insurance.
ShippingOptionIsDefault	xs:boolean Is true if the buyer chose the default shipping option. Character length and limitations: true or false
ShippingOptionAmount	ebl:BasicAmountType The shipping amount that was chosen by the buyer Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
ShippingOptionName	xs:string The name of the shipping option such as air or ground.

PaymentErrorType Fields

Field	Description
ShortMessage	xs:string Payment error short message.
LongMessage	xs:string Payment error long message.
ErrorCode	xs:string Payment error code.
SeverityCode	xs:string Payment error severity code.

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Field	Description
ErrorParameters	xs:string Application-specific error values indicating more about the error condition.

SellerDetailsType Fields

Field	Description
PayPalAccountID	xs:string Unique identifier for the merchant. For parallel payments, this field contains either the Payer Id or the email address of the merchant. Character length and limitations: 127 single-byte alphanumeric characters
SecureMerchantAccountID	xs:useridtype Unique PayPal customer account number (of the seller). This field is returned in the response. This field is ignored if passed in the request.

FMFDetailsType Fields

Field	Description
AcceptFilters	xs:RiskFilterListType List of filters that recommend acceptance of the payment.
DenyFilters	xs:RiskFilterListType List of filters that recommend denial of the payment.
PendingFilters	xs:RiskFilterListType List of filters that caused the payment to become pending.
ReportsFilters	xs:RiskFilterListType List of filters that caused the payment to become flagged.

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RiskFilterListType Fields

Field	Description
`ID`	`xs:int` Filter ID, which is one of the following values: • 1 = AVS No Match • 2 = AVS Partial Match • 3 = AVS Unavailable/Unsupported • 4 = Card Security Code (CSC) Mismatch • 5 = Maximum Transaction Amount • 6 = Unconfirmed Address • 7 = Country Monitor • 8 = Large Order Number • 9 = Billing/Shipping Address Mismatch • 10 = Risky ZIP Code • 11 = Suspected Freight Forwarder Check • 12 = Total Purchase Price Minimum • 13 = IP Address Velocity • 14 = Risky Email Address Domain Check • 15 = Risky Bank Identification Number (BIN) Check • 16 = Risky IP Address Range • 17 = PayPal Fraud Model
`Name`	`xs:string` Filter name.
`Description`	`xs:string` Filter description.

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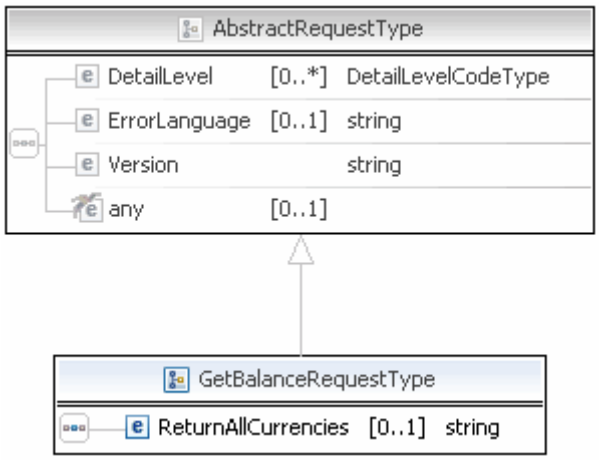
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7 GetBalance API Operation

Obtain the available balance for a PayPal account.

- "GetBalance Request Message" on page 135
- "GetBalance Response Message" on page 136

GetBalance Request Message



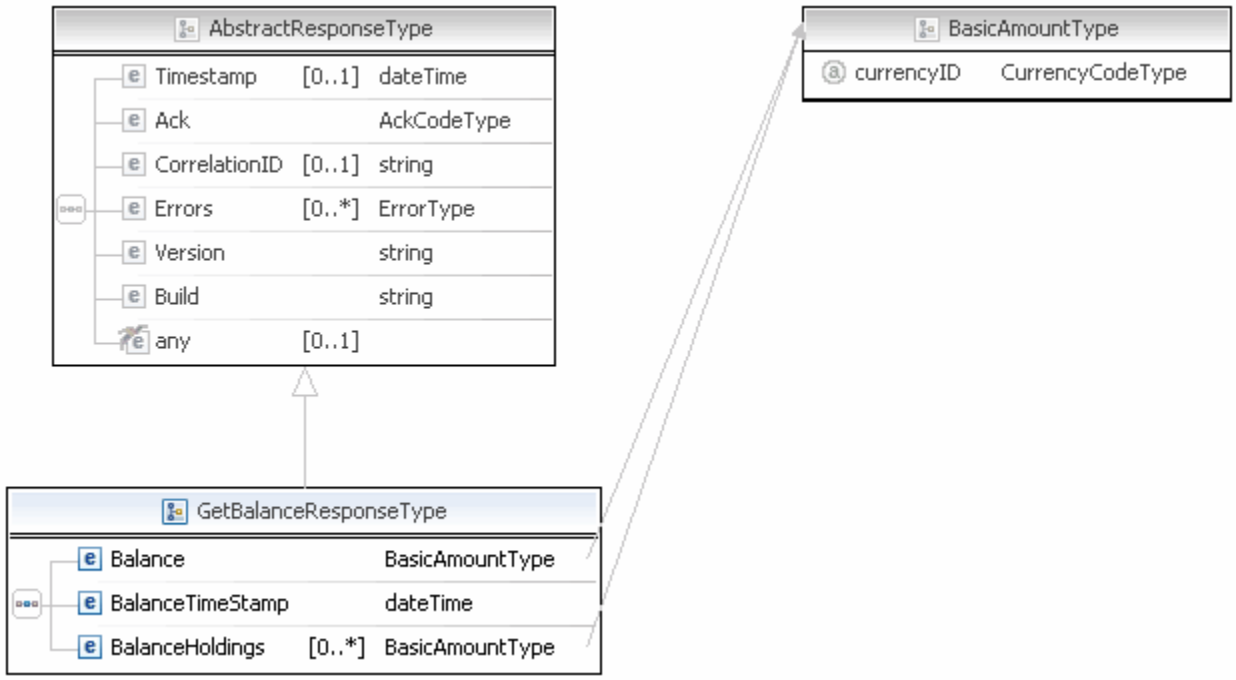
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetBalance Request Fields

Field	Description
`ReturnAllCurrencies`	`xs:string` *(Optional)* Whether to return all currencies, which is one of the following values: • `0` - Return only the balance for the primary currency holding • `1` - Return the balance for each currency holding **NOTE:** You can only include this field with API `VERSION 51` and later; prior versions return only the balance for the primary currency holding.

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GetBalance Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetBalance Response Fields

Field	Description
`Balance`	`ebl:BasicAmountType` The available balance and associated currency code for the primary currency holding.
`BalanceTimeStamp`	`xs:dateTime` The time that the balance was reported.
`BalanceHoldings`	`ebl:BasicAmountType` The available balance and associated currency code for each currency held, including the primary currency. The first currency is the primary currency.

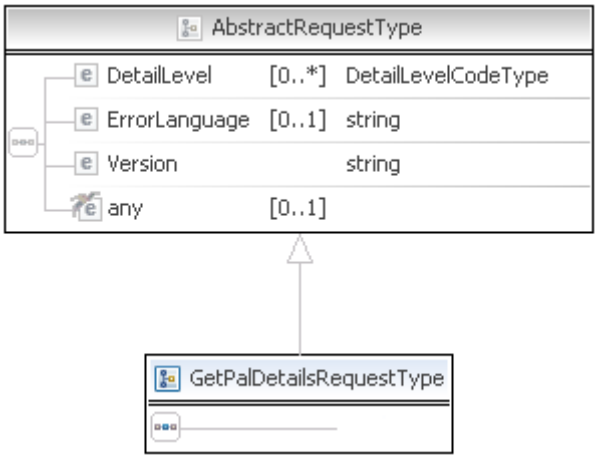
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8 GetPalDetails API Operation

Obtain your Pal ID, which is the PayPal-assigned merchant account number, and other information about your account. You need the account number when working with dynamic versions of PayPal buttons and logos.

- "GetPalDetails Request Message" on page 137
- "GetPalDetails Response Message" on page 138

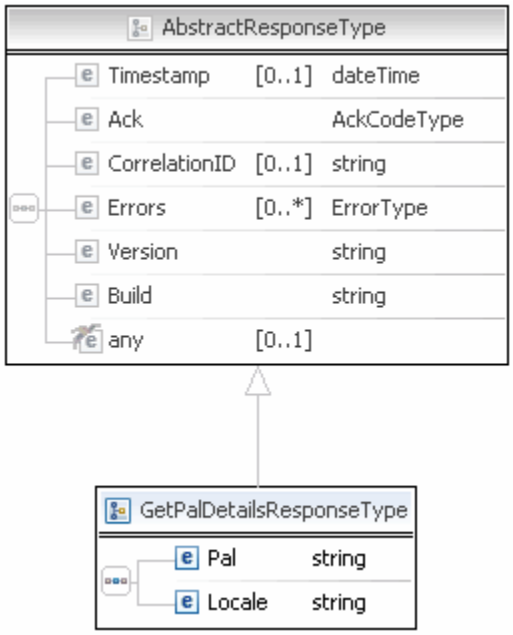
GetPalDetails Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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GetPalDetails Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetPalDetails Response Fields

Field	Description
`Pal`	`xs:string` The PayPal-assigned merchant account number.

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Field	Description
`Locale`	`xs:string` A two-character country code representing the merchant's default locale, which is one of the following locales: • AU - Australia • AT - Austria • BE - Belgium • CA - Canada • CH - Switzerland • CN - China • DE - Germany • ES - Spain • GB - United Kingdom • FR - France • IT - Italy • NL - Netherlands • PL - Poland • US - United States

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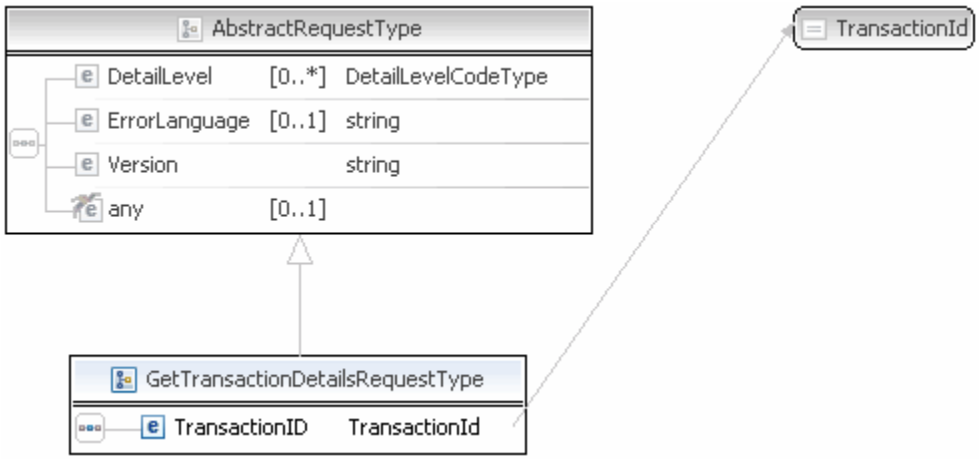
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9 GetTransactionDetails API Operation

Obtain information about a specific transaction.

- "GetTransactionDetails Request Message" on page 141
- "GetTransactionDetails Response Message" on page 142

GetTransactionDetails Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

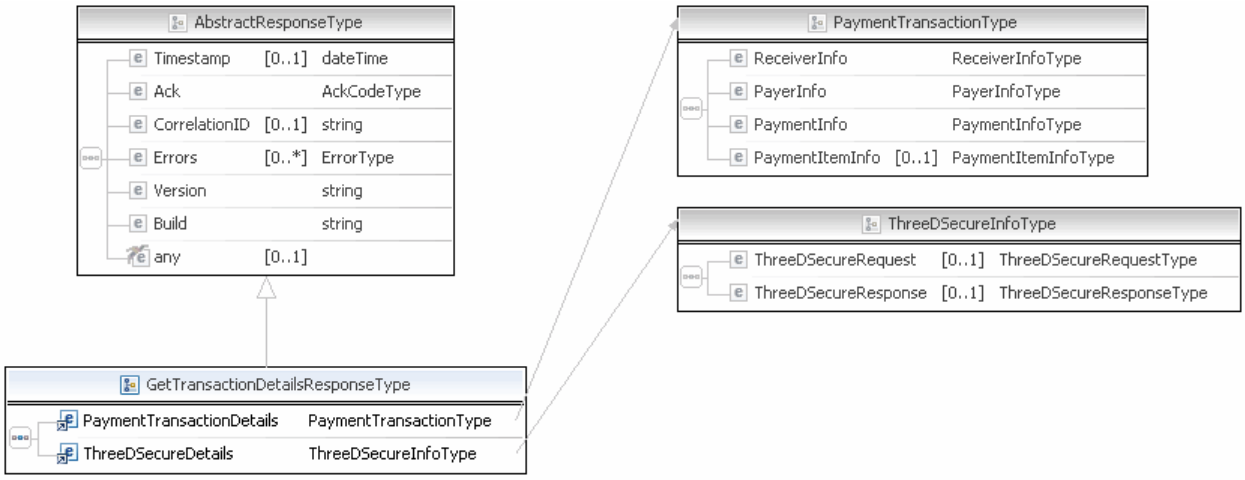
GetTransactionDetails Request Fields

Field	Description
`TransactionID`	`xs:string` *(Required)* Unique identifier of a transaction. **NOTE:** The details for some kinds of transactions cannot be retrieved with `GetTransactionDetails`. You cannot obtain details of bank transfer withdrawals, for example. Character length and limitations: 17 single-byte alphanumeric characters.

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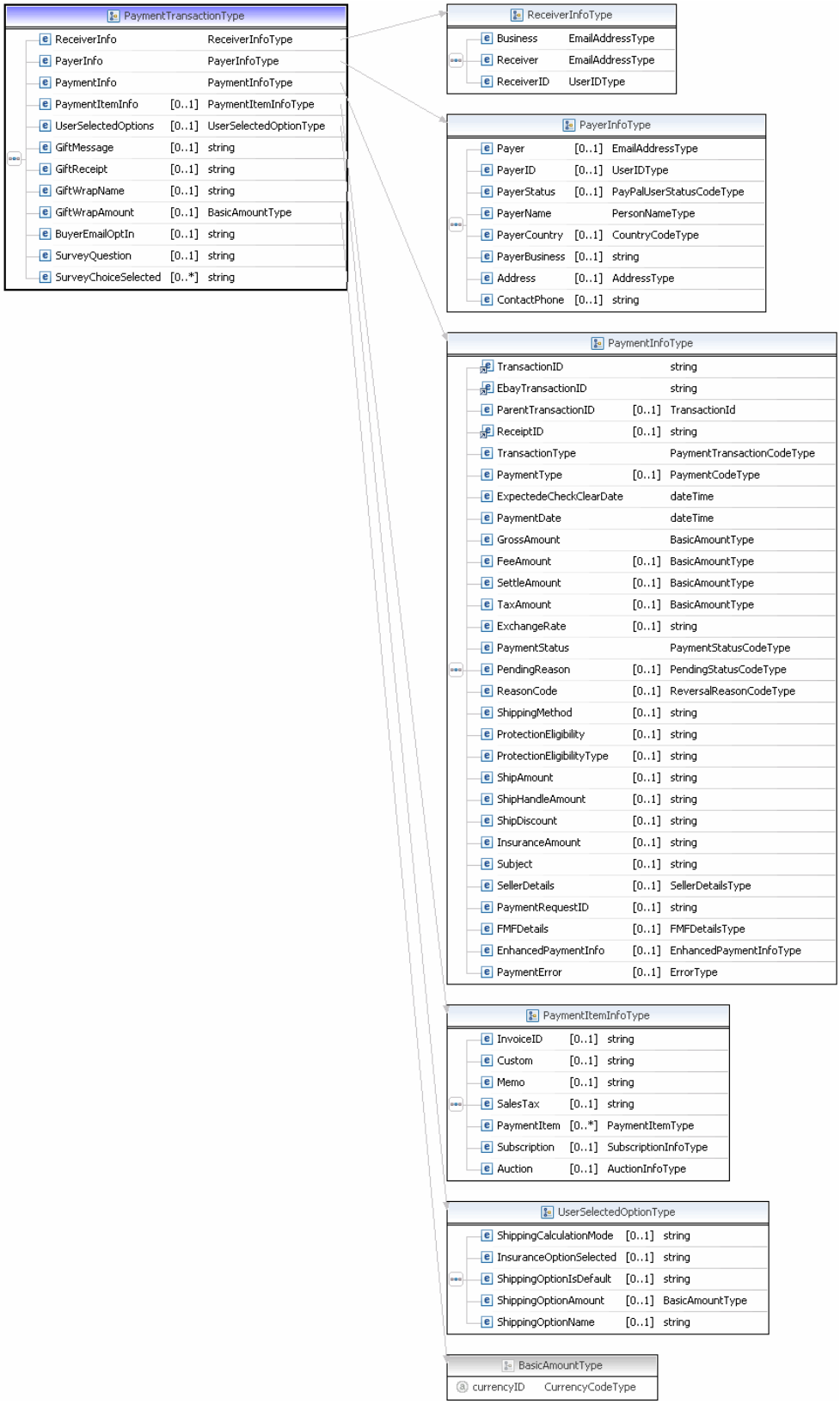
GetTransactionDetails Response Message

NOTE: All fields defined in the formal structure of `GetTransactionDetailsResponse` are not necessarily returned. Data are returned in a response only if PayPal has recorded data that corresponds to the field.

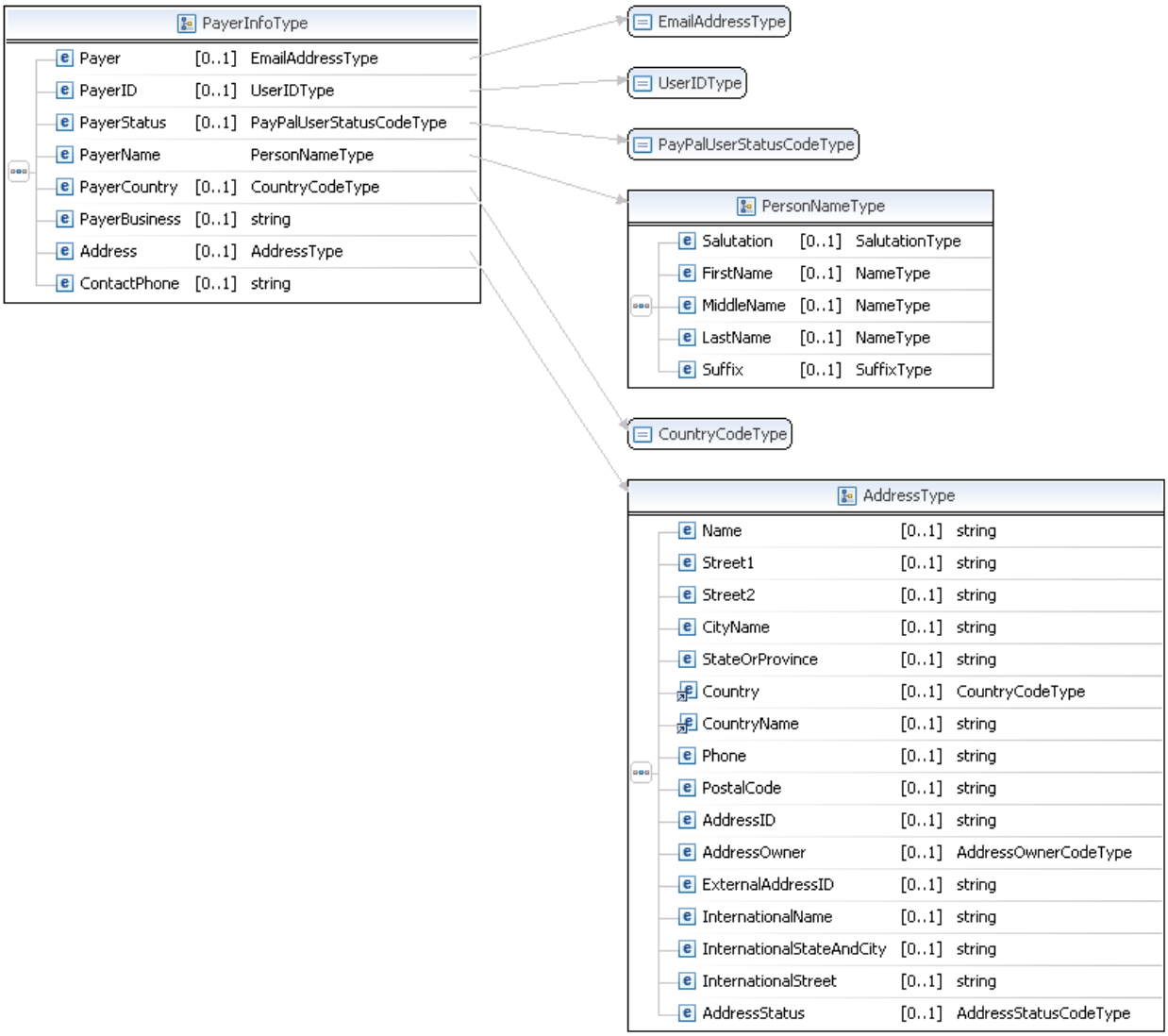


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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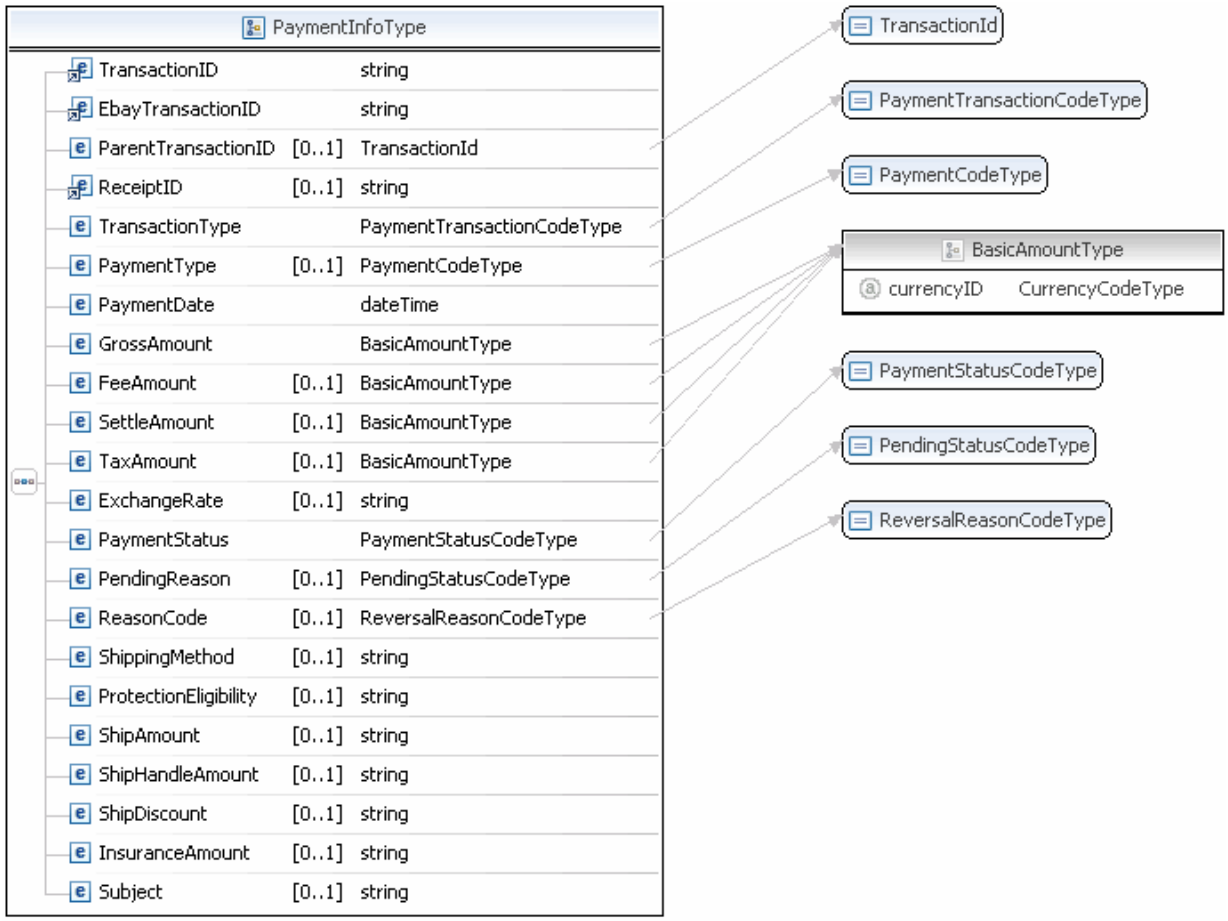

PaymentTransactionType
ReceiverInfo ReceiverInfoType
PayerInfo PayerInfoType
PaymentInfo PaymentInfoType
PaymentItemInfo [0..1] PaymentItemInfoType
UserSelectedOptions [0..1] UserSelectedOptionType
GiftMessage [0..1] string
GiftReceipt [0..1] string
GiftWrapName [0..1] string
GiftWrapAmount [0..1] BasicAmountType
BuyerEmailOptIn [0..1] string
SurveyQuestion [0..1] string
SurveyChoiceSelected [0..*] string
ReceiverInfoType
Business EmailAddressType
Receiver EmailAddressType
ReceiverID UserIDType
PayerInfoType
Payer [0..1] EmailAddressType
PayerID [0..1] UserIDType
PayerStatus [0..1] PayPalUserStatusCodeType
PayerName PersonNameType
PayerCountry [0..1] CountryCodeType
PayerBusiness [0..1] string
Address [0..1] AddressType
ContactPhone [0..1] string
PaymentInfoType
TransactionID string
EbayTransactionID string
ParentTransactionID [0..1] TransactionId
ReceiptID [0..1] string
TransactionType PaymentTransactionCodeType
PaymentType [0..1] PaymentCodeType
ExpectedeCheckClearDate dateTime
PaymentDate dateTime
GrossAmount BasicAmountType
FeeAmount [0..1] BasicAmountType
SettleAmount [0..1] BasicAmountType
TaxAmount [0..1] BasicAmountType
ExchangeRate [0..1] string
PaymentStatus PaymentStatusCodeType
PendingReason [0..1] PendingStatusCodeType
ReasonCode [0..1] ReversalReasonCodeType
ShippingMethod [0..1] string
ProtectionEligibility [0..1] string
ProtectionEligibilityType [0..1] string
ShipAmount [0..1] string
ShipHandleAmount [0..1] string
ShipDiscount [0..1] string
InsuranceAmount [0..1] string
Subject [0..1] string
SellerDetails [0..1] SellerDetailsType
PaymentRequestID [0..1] string
FMFDetails [0..1] FMFDetailsType
EnhancedPaymentInfo [0..1] EnhancedPaymentInfoType
PaymentError [0..1] ErrorType
PaymentItemInfoType
InvoiceID [0..1] string
Custom [0..1] string
Memo [0..1] string
SalesTax [0..1] string
PaymentItem [0..*] PaymentItemType
Subscription [0..1] SubscriptionInfoType
Auction [0..1] AuctionInfoType
UserSelectedOptionType
ShippingCalculationMode [0..1] string
InsuranceOptionSelected [0..1] string
ShippingOptionIsDefault [0..1] string
ShippingOptionAmount [0..1] BasicAmountType
ShippingOptionName [0..1] string
BasicAmountType
currencyID CurrencyCodeType

NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



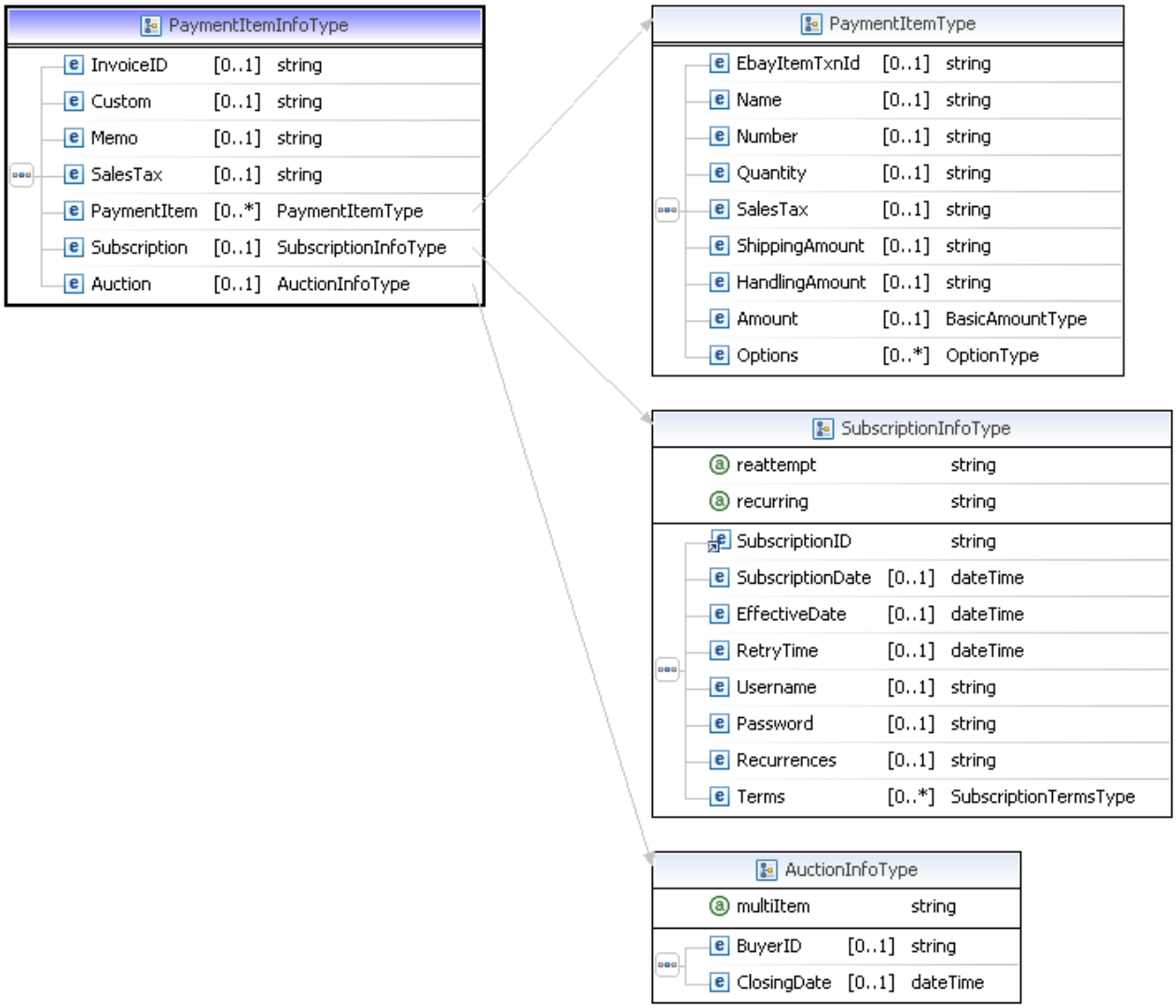
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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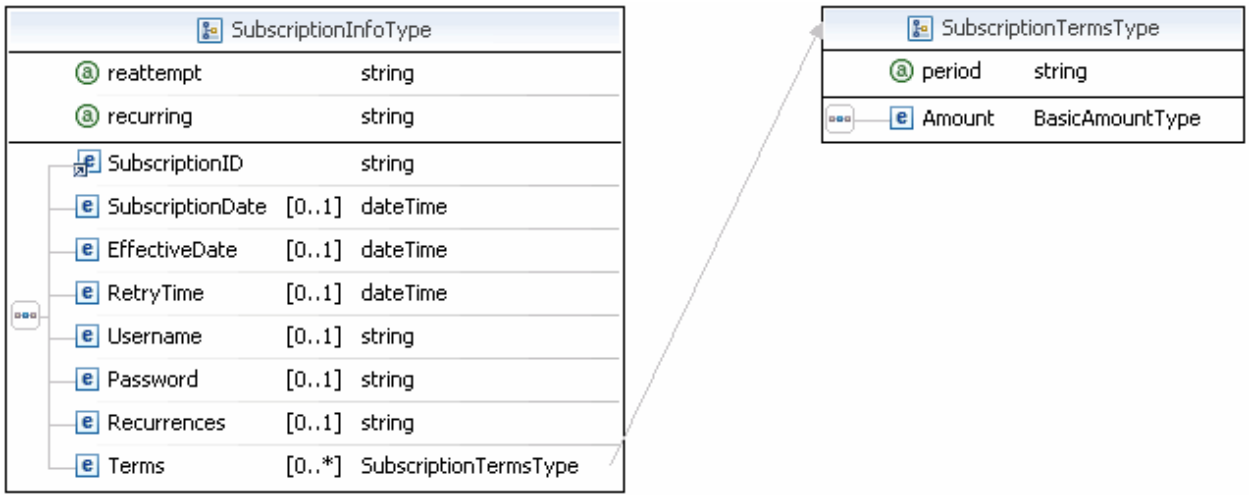
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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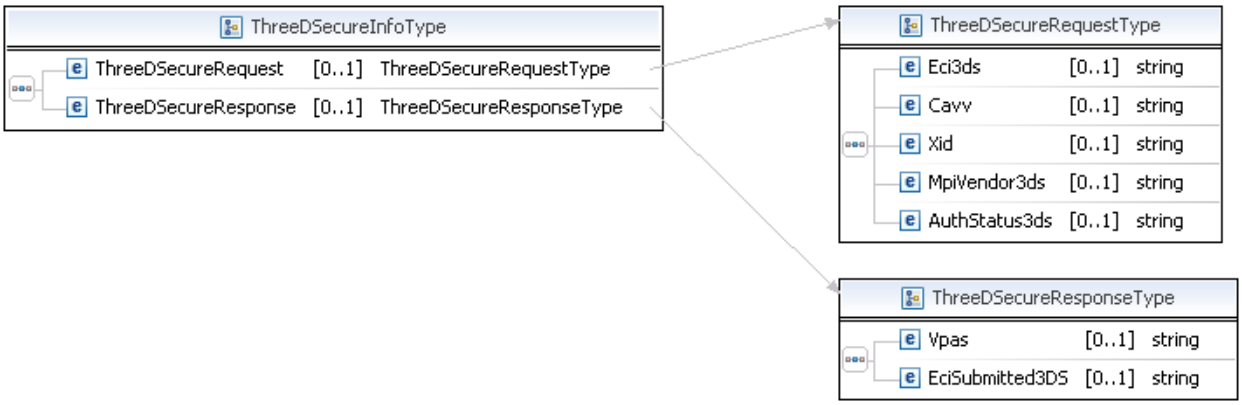


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetTransactionDetails Response Fields

Field	Description
`PaymentTransaction Details`	Wrapper structure.
`ShippingCalculation Mode`	`xs:string` Describes how the options that were presented to the buyer were determined. Is one of the following values: • `Callback` • `FlatRate`

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Field	Description
`InsuranceOptionSelected`	`xs:boolean` The Yes/No option that was selected by the buyer for insurance. The value `true` is returned if the buyer selected the option. Otherwise `false` is returned.
`ShippingOptionIsDefault`	`xs:boolean` Required when the Instant Update callback is used. When the value of this flat-rate shipping option is `true`, PayPal selects it by default for the buyer and reflects it in the "default" total. **NOTE:** There must be ONE and ONLY ONE default. It is not OK to have no default.
`ShippingOptionName`	`xs:string` Shipping option. Required if specifying the callback URL. The internal name of the shipping option such as Air, Ground, Expedited, and so forth. Character length and limitations: 50 character-string.
`ShippingOptionAmount`	`ebl:BasicAmountType` Shipping option. Required if specifying the Callback URL. The amount of the flat rate shipping option. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
`GiftMessage`	`xs:string` The gift message entered by the buyer on the PayPal Review page. Limitations: 100 single-byte characters
`GiftReceiptEnable`	`xs:string` A flag to indicate whether or not the buyer requested a gift receipt on the PayPal Review page. The values are: • `0` - buyer did not request gift receipt • `1` - buyer requested gift receipt
`GiftWrapName`	`xs:string` Label for the gift wrap option such as "Blue box with ribbon". Limitations: 25 single-byte characters
`GiftWrapAmount`	`ebl:BasicAmounttype` Label for the gift wrap option such as "Box with ribbon". Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`BuyerMarketingEmail`	`ebl:EmailAddressType` The buyer email address opted in on the PayPal Review page. Limitations: 127 single-byte characters

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Field	Description
SurveyQuestion	xs:string Text for the survey question on the PayPal Review page. If the survey question is present, at least 2 survey answer options need to be present. Limitations: 50 single-byte characters
SurveyChoiceSelected	xs:string Survey response selected by the buyer on the PayPal Review page. Limitations: 15 single-byte characters

PaymentTransactionDetailsType Fields

Field	Description
ReceiverInfo	ebl:ReceiverInfoType
PayerInfo	ebl:PayerInfoType
PaymentInfo	ebl:PaymentInfoType
PaymentItemInfo	ebl:PaymentItemInfoType

ReceiverInfoType Fields

Field	Description
Business	xs:string Details about a single transaction.
Receiver	xs:string Primary email address of the payment recipient (the seller). If you are the recipient of the payment and the payment is sent to your non-primary email address, the value of Receiver is still your primary email address. Character length and limitations: 127 single-byte alphanumeric characters
ReceiverID	xs:string Unique account ID of the payment recipient (the seller). This value is the same as the value of the recipient's referral ID.

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PayerInfoType Fields

Field	Description
`Payer`	`ebl:EmailAddressType` Email address of payer. Character length and limitations: 127 single-byte characters.
`PayerID`	`ebl:UserIDType` Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.
`PayerStatus`	`ebl:PayPalUserStatusCodeType` Status of payer. Valid values are: • `verified` • `unverified` Character length and limitations: 10 single-byte alphabetic characters.
`PayerName`	`ebl:PersonNameType` First and last name of payer.
`PayerCountry`	`ebl:CountryCodeType` Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters.
`PayerBusiness`	`xs:string` Payer's business name. Character length and limitations: 127 single-byte characters.
`Address`	`ns:AddressType` Payer's shipping address information.

PayerName Fields

Field	Description
`Salutation`	`xs:string` Payer's salutation. Character length and limitations: 20 single-byte characters.
`FirstName`	`ebl:PersonNameType` Payer's first name. Character length and limitations: 25 single-byte characters.
`MiddleName`	`ebl:NameUser` Payer's middle name. Character length and limitations: 25 single-byte characters.

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Field	Description
LastName	ebl:NameType Payer's last name. Character length and limitations: 25 single-byte characters.
Suffix	ebl:SuffixType Payer's suffix. Character length and limitations: 12 single-byte characters.

AddressType Fields

Field	Description
AddressOwner	ebl:AddressOwnerTypeCode eBay company that maintains this address. Valid values are: • eBay • PayPal
AddressStatus	ebl:AddressStatusTypeCode Status of street address on file with PayPal. Valid values are: • none • Confirmed • Unconfirmed
Name	xs:string Person's name associated with this address. Character length and limitations: 32 single-byte characters.
Street1	xs:string First street address. Character length and limitations: 100 single-byte characters.
Street2	xs:string Second street address. Character length and limitations: 100 single-byte characters.
CityName	xs:string Name of city. Character length and limitations: 40 single-byte characters.
StateOrProvince	xs:string State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.

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Field	Description
PostalCode	xs:string U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
Country	ns:CountryCode Country code. Character limit: Two single-byte characters.
CountryName	xs:string Expanded name of country. Character length and limitations: 64 single-byte alphanumeric characters
Phone	xs:string *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

PaymentInfoType Fields

Field	Description
TransactionID	xs:string Unique transaction ID of the payment. Character length and limitations: 17 single-byte characters
ParentTransactionID	xs:string • Parent or related transaction identification number. This field is populated for the following transaction types: • Reversal. Capture of an authorized transaction. • Reversal. Reauthorization of a transaction. • Capture of an order. The value of ParentTransactionID is the original OrderID. • Authorization of an order. The value of ParentTransactionID is the original OrderID. • Capture of an order authorization. • Void of an order. The value of ParentTransactionID is the original OrderID. Character length and limits: 16 digits in xxxx-xxxx-xxxx-xxxx format
ReceiptID	xs:string Receipt identification number Character length and limits: 16 digits in xxxx-xxxx-xxxx-xxxx format
TransactionType	ns:PaymentTransactionCodeType The type of transaction Valid values: • cart • express-checkout Character length and limitations:15 single-byte characters

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Field	Description
PaymentType	ebl:PaymentCodeType Indicates whether the payment is instant or delayed. Character length and limitations: Seven single-byte characters Valid values: • none • echeck • instant
PaymentDate	xs:dateTime Time/date stamp of payment. For example: 2006-08-15T17:23:15Z.
GrossAmount	ebl:BasicAmountType The final amount charged, including any shipping and taxes from your Merchant Profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
FeeAmount	ebl:BasicAmountType PayPal fee amount charged for the transaction. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
SettleAmount	ebl:BasicAmountType Amount deposited in your PayPal account after a currency conversion.
TaxAmount	ebl:BasicAmountType Tax charged on the transaction. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
ExchangeRate	xs:string Exchange rate if a currency conversion occurred. Relevant only if your are billing in their non-primary currency. If the customer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the customer's account. Character length and limitations: a decimal that does not exceed 17 characters, including decimal point

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Field	Description
PaymentStatus	ebl:PaymentStatusCodeType Status of the payment. The status of the payment: • None: No status • Canceled-Reversal: A reversal has been canceled; for example, when you win a dispute and the funds for the reversal have been returned to you. • Completed: The payment has been completed, and the funds have been added successfully to your account balance. • Denied: You denied the payment. This happens only if the payment was previously pending because of possible reasons described for the PendingReason element. • Expired: the authorization period for this payment has been reached. • Failed: The payment has failed. This happens only if the payment was made from your customer's bank account. • In-Progress: The transaction has not terminated, e.g. an authorization may be awaiting completion. • Partially-Refunded: The payment has been partially refunded. • Pending: The payment is pending. See the PendingReason field for more information. • Refunded: You refunded the payment. • Reversed: A payment was reversed due to a chargeback or other type of reversal. The funds have been removed from your account balance and returned to the buyer. The reason for the reversal is specified in the ReasonCode element. • Processed: A payment has been accepted. • Voided: An authorization for this transaction has been voided.

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Field	Description
PendingReason	ebl:PendingStatusCodeType **NOTE:** PendingReason is returned in the response only if PaymentStatus is Pending. The reason the payment is pending: • none: No pending reason. • address: The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the Preferences section of your Profile. • authorization: The payment is pending because it has been authorized but not settled. You must capture the funds first. • echeck: The payment is pending because it was made by an eCheck that has not yet cleared. • intl: The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your Account Overview. • multi-currency: You do not have a balance in the currency sent, and you do not have your Payment Receiving Preferences set to automatically convert and accept this payment. You must manually accept or deny this payment. • order: The payment is pending because it is part of an order that has been authorized but not settled. • paymentreview: The payment is pending while it is being reviewed by PayPal for risk. • unilateral: The payment is pending because it was made to an email address that is not yet registered or confirmed. • verify: The payment is pending because you are not yet verified. You must verify your account before you can accept this payment. • other: The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service.
ReasonCode	ebl:ReasonCodeType The reason for a reversal if TransactionType is reversal: • none: No reason code • chargeback: A reversal has occurred on this transaction due to a chargeback by your customer. • guarantee: A reversal has occurred on this transaction due to your customer triggering a money-back guarantee. • buyer-complaint: A reversal has occurred on this transaction due to a complaint about the transaction from your customer. • refund: A reversal has occurred on this transaction because you have given the customer a refund. • other: A reversal has occurred on this transaction due to a reason not listed above.

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Field	Description
`ProtectionEligibility`	`xs:string` Prior to version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • `Eligible` – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payments and Item Not Received • `PartiallyEligible` – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • `Ineligible` – Seller is not protected under the Seller Protection Policy
`ProtectionEligibilityType`	`xs:string` Since version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • `Eligible` – Seller is protected by PayPal's Seller Protection Policy for both Unauthorized Payment and Item Not Received • `ItemNotReceivedEligible` – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • `UnauthorizedPaymentEligible` – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payment • `Ineligible` – Seller is not protected under the Seller Protection Policy

PaymentItemInfoType Fields

Field	Description
`InvoiceID`	`xs:string` Invoice number you set in the original transaction. Character length and limitations: 127 single-byte alphanumeric characters
`Custom`	`xs:string` Custom field you set in the original transaction. Character length and limitations: 127 single-byte alphanumeric characters
`Memo`	`xs:string` Memo entered by your customer in PayPal Website Payments note field. Character length and limitations: 255 single-byte alphanumeric characters
`SalesTax`	`xs:string` Amount of tax charged on payment.
`PaymentItem`	`ebl:PaymentItemType` Amount of tax charged on payment.
`Subscription`	`ebl:SubscriptionInfoType` Subscription information.
`Auction`	`ebl:AuctionInfoType` Subscription information.

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PaymentItemType Fields

Field	Description
`Name`	`xs:string` Amount of tax charged on payment.
`Number`	`xs:string` Item number set by you. If this was a shopping cart transaction, PayPal appends the number of the item to the HTML `item_number` variable. For example, `item_number1`, `item_number2`, and so forth.Character length and limitations: 127 single-byte alphanumeric characters
`Quantity`	`xs:string` Quantity set by you or entered by the customer. Character length and limitations: no limit
`Amount`	`ebl:BasicAmountType` Cost of item.

`Options`	`ns:OptionType`
	`name: xs:string`
	`value: xs:string`
	PayPal item options for shopping cart.

`EbayItemTxnId`	`xs:string` The eBay auction transaction ID of the itemthat you use to identify items purchased by the buyer. Character length and limitations: 255 single-byte characters

AuctionInfoType Fields

Field	Description
`BuyerID`	`xs:string` Customer’s auction ID.
`ClosingDate`	`xs:string` Auction’s close date.
`MultiItem`	`xs:string` Counter used for multi-item auction payments.

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SubscriptionInfoType Fields

Field	Description
SubscriptionID	xs:string ID generated by PayPal for the subscriber. Character length and limitations: no limit
SubscriptionDate	xs:dateTime Subscription start date
EffectiveDate	xs:dateTime Date when the subscription modification will be effective
RetryTime	xs:dateTime Date PayPal will retry a failed subscription payment..
UserName	xs:string Username generated by PayPal and given to subscriber to access the subscription. Character length and limitations: 64 alphanumeric single-byte characters
Password	xs:string Password generated by PayPal and given to subscriber to access the subscription. For security, the value of the password is hashed. Character length and limitations: 128 alphanumeric single-byte characters
Recurrences	xs:string The number of payment installments that will occur at the regular rate. Character length and limitations: no limit.
reattempt	xs:string Indicates whether reattempts should occur upon payment failures.
recurring	xs:string Indicates whether regular rate recurs. 1 = Yes.
SubscriptionTermsType	ns:SubscriptionTermsType Subscription terms

SubscriptionTermsType Fields

Field	Description
Amount	eb:BasicAmountType The amount subscriber is to be charged in one payment. Character length and limitations: no limit

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Field	Description
`Period`	`xs:string` The period of time that the subscriber will be charged. Character length and limitations: no limit

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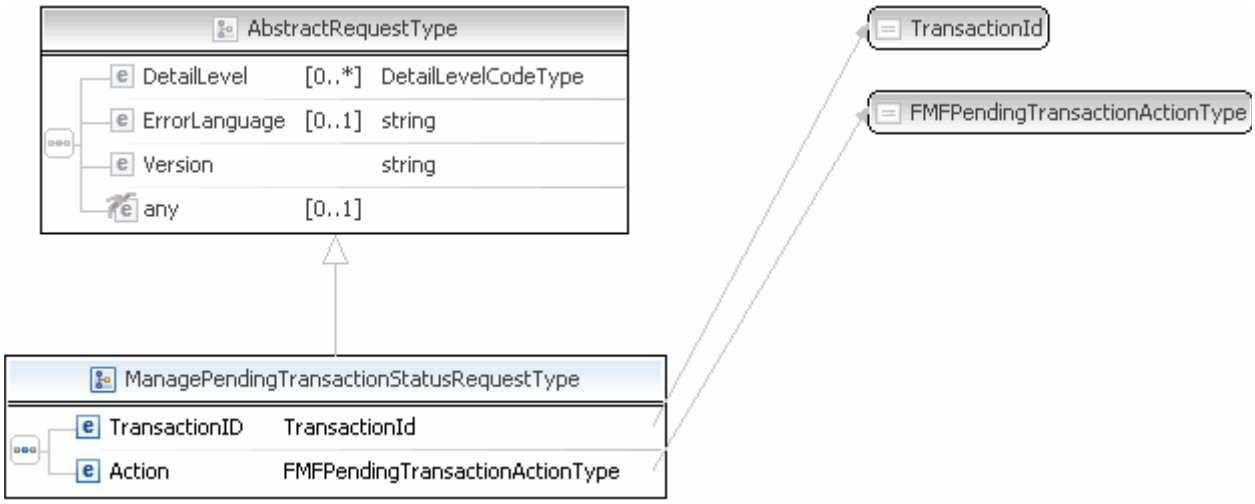
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10 ManagePendingTransactionStatus API Operation

Accept or deny a pending transaction held by Fraud Management Filters.

- "ManagePendingTransactionStatus Request Message" on page 161
- "ManagePendingTransactionStatus Response Message" on page 162

ManagePendingTransactionStatus Request Message



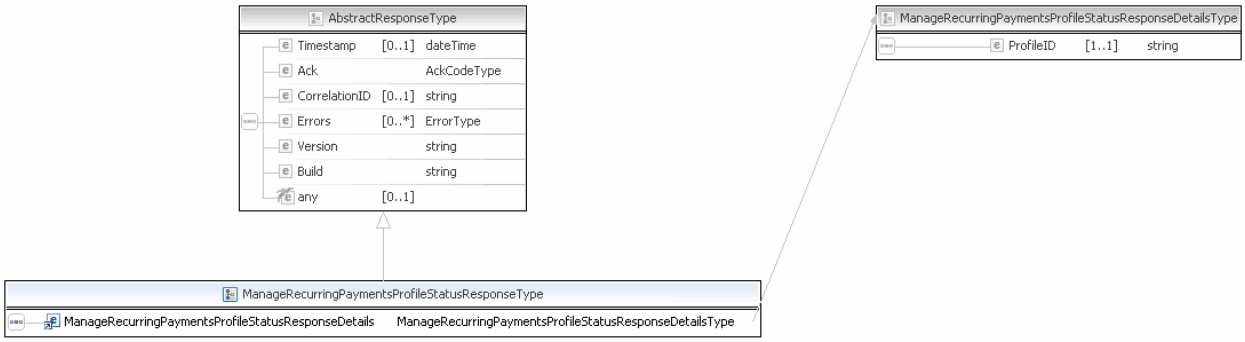
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

ManagePendingTransactionStatus Request Fields

Field	Description
`TransactionID`	*(Required)* The transaction ID of the payment transaction.
`Action`	*(Required)* The operation you want to perform on the transaction, which is one of the following actions: • `Accept` - accepts the payment • `Deny` - rejects the payment

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ManagePendingTransactionStatus Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

ManagePendingTransactionStatus Response Fields

Field	Description
`TransactionID`	The transaction ID of the transaction whose payment has been denied or accepted.
`Status`	The status of the transaction, which is one of the following values: • Pending • Processing • Completed • Denied • Reversed • Display Only • Partially Refunded • Created Refunded

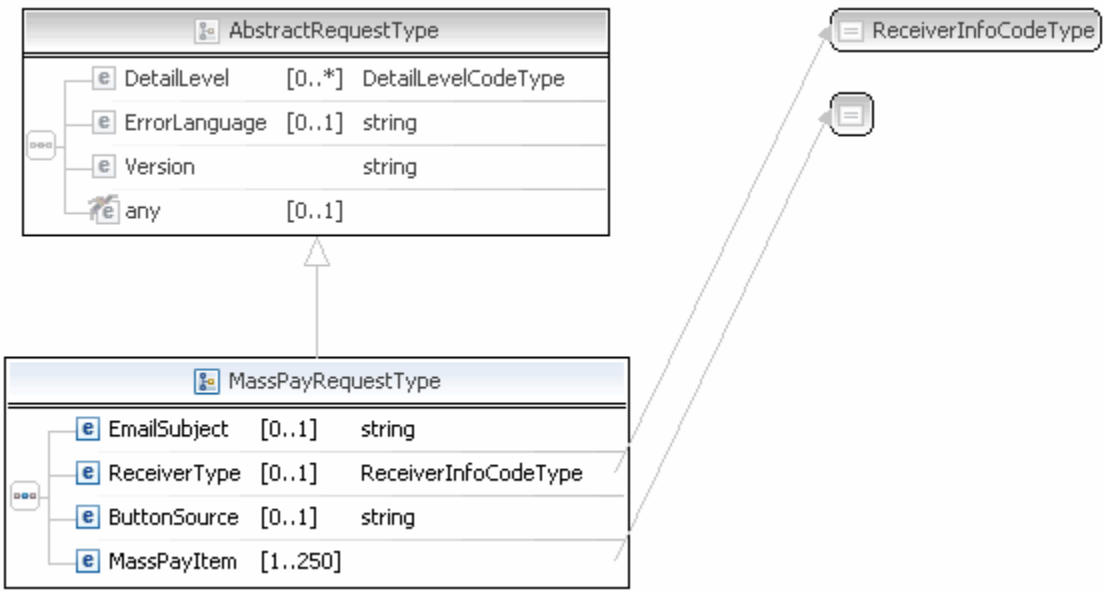
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11 MassPay API Operation

Make a payment to one or more PayPal account holders.

- “MassPay Request Message” on page 163
- “MassPay Response Message” on page 164

MassPay Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

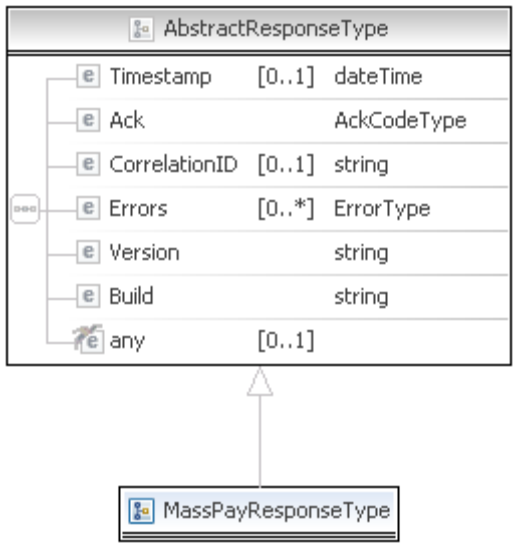
MassPay Request Fields

Field	Description
`EmailSubject`	`xs:string` *(Optional)* The subject line of the email that PayPal sends when the transaction is completed. The subject line is the same for all recipients. Character length and limitations: 255 single-byte alphanumeric characters.

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Field	Description
`MassPayItem`	`ebl:MassPayItemType` *(Required)* Details of each payment. **NOTE:** A single `MassPayRequest` can include up to 250 `MassPayItems`.
`ReceiverType`	`ebl:ReceiverInfoCodeType` *(Optional)* Indicates how you identify the recipients of payments in this call to `MassPay`. Must be `EmailAddress` or `UserID`

MassPay Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

MassPay Response Fields

The elements returned are the same as for `AbstractResponseType`.

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12 Recurring Payments and Reference Transactions API Operations

This chapter describes the PayPal API operations related to recurring payments and reference transactions:

- "CreateRecurringPaymentsProfile API Operation" on page 165
- "GetRecurringPaymentsProfileDetails API Operation" on page 182
- "ManageRecurringPaymentsProfileStatus API Operation" on page 195
- "BillOutstandingAmount API Operation" on page 196
- "UpdateRecurringPaymentsProfile API Operation" on page 198
- "SetCustomerBillingAgreement API Operation" on page 211
- "GetBillingAgreementCustomerDetails API Operation" on page 215
- "BAUpdate API Operation" on page 221
- "DoReferenceTransaction API Operation" on page 227

CreateRecurringPaymentsProfile API Operation

Create a recurring payments profile.

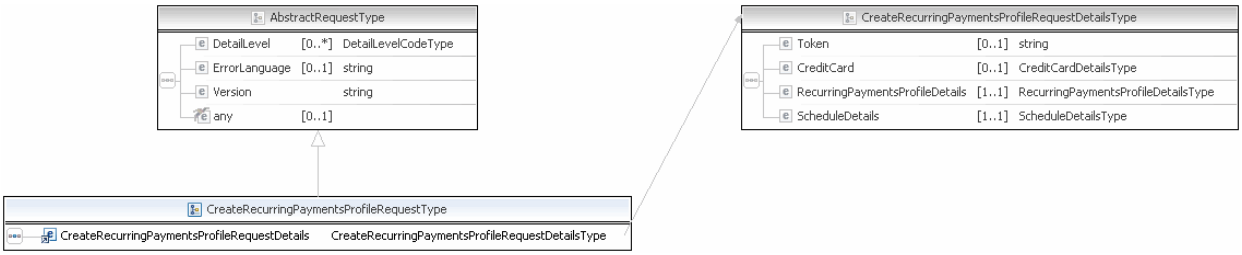
You must invoke the `CreateRecurringPaymentsProfile` API operation for each profile you want to create. The API operation creates a profile and an associated billing agreement.

NOTE: There is a one-to-one correspondence between billing agreements and recurring payments profiles. To associate a a recurring payments profile with its billing agreement, the description in the recurring payments profile must match the description of a billing agreement. For version 54.0 and later, use `SetExpressCheckout` to initiate creation of a billing agreement.

- "CreateRecurringPaymentsProfile Request Message" on page 166
- "CreateRecurringPaymentsProfile Response Message" on page 181

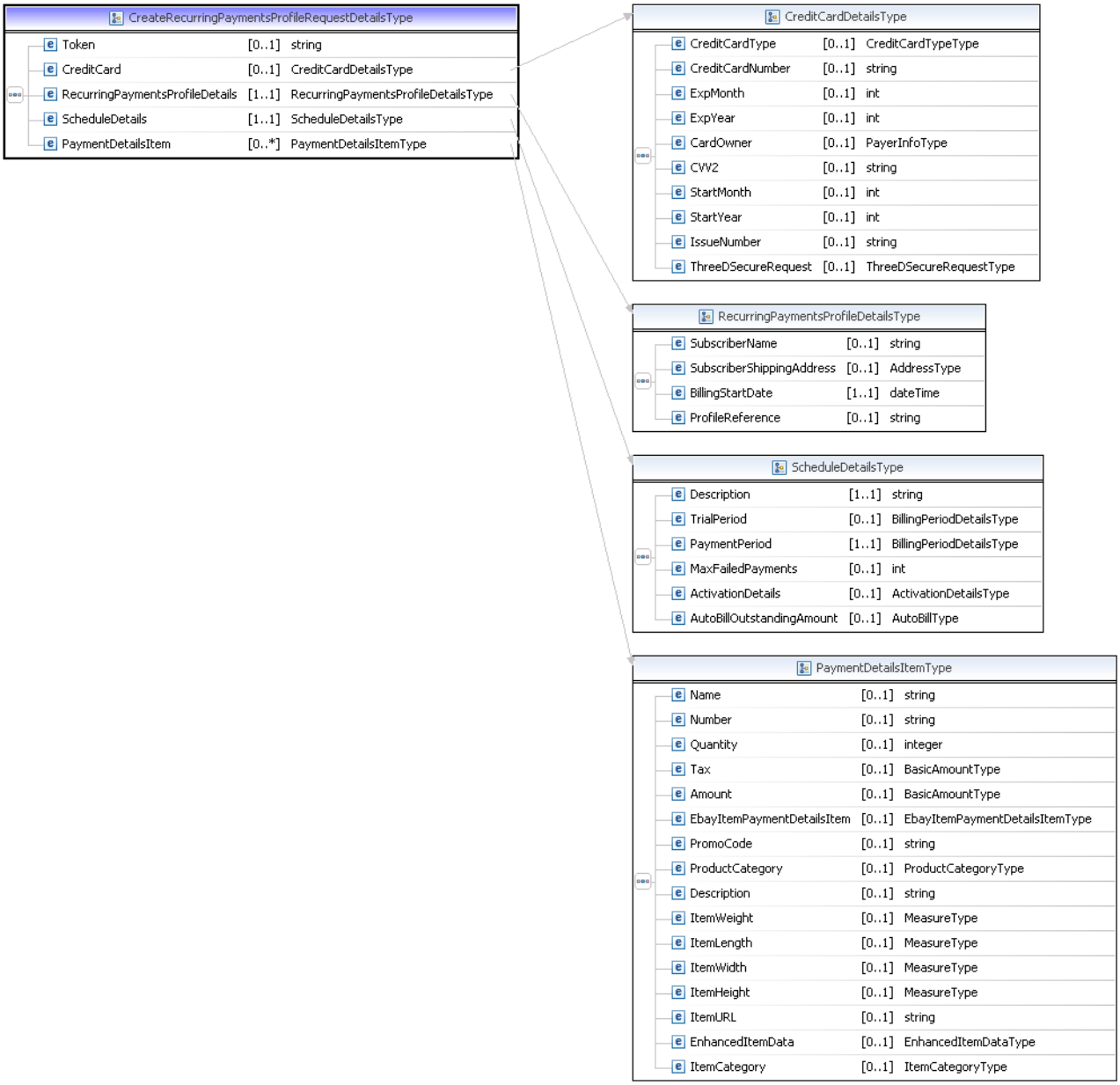
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CreateRecurringPaymentsProfile Request Message



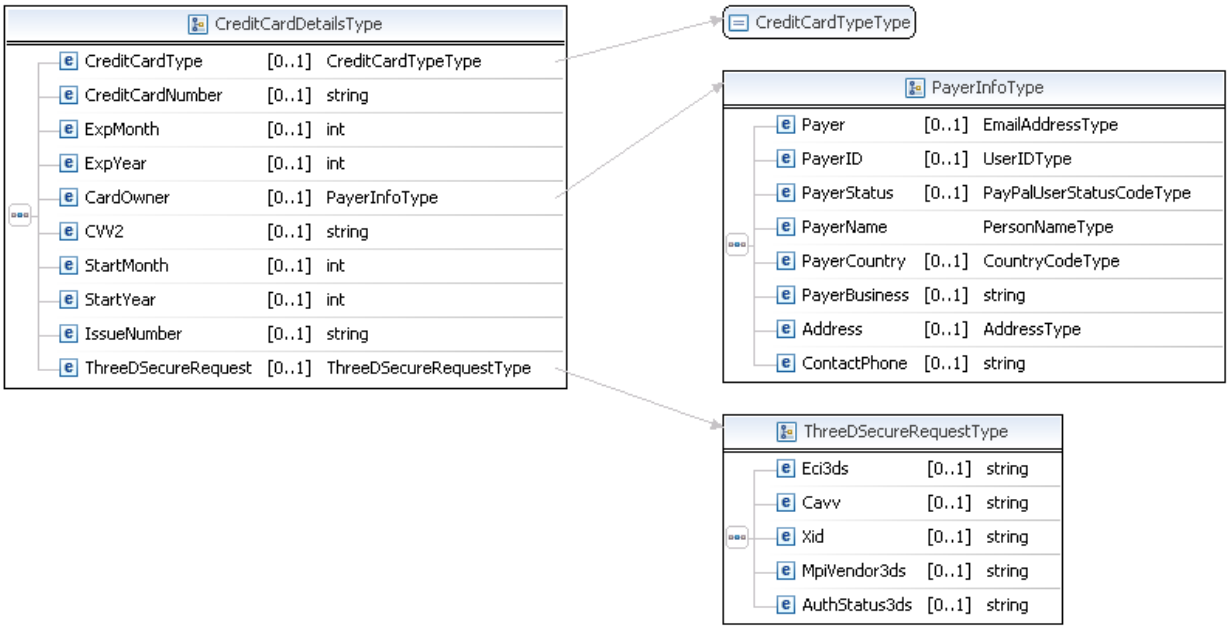
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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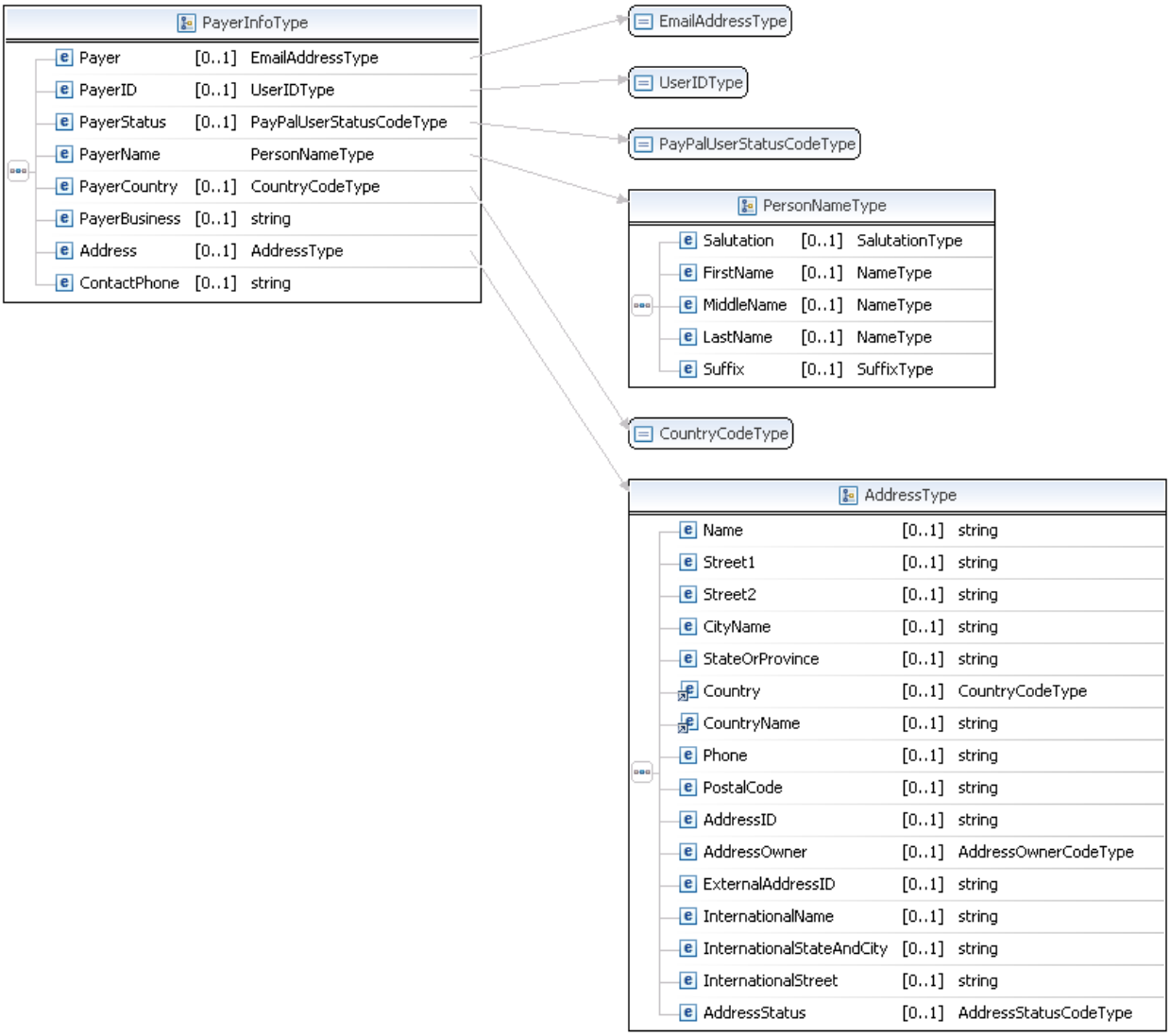
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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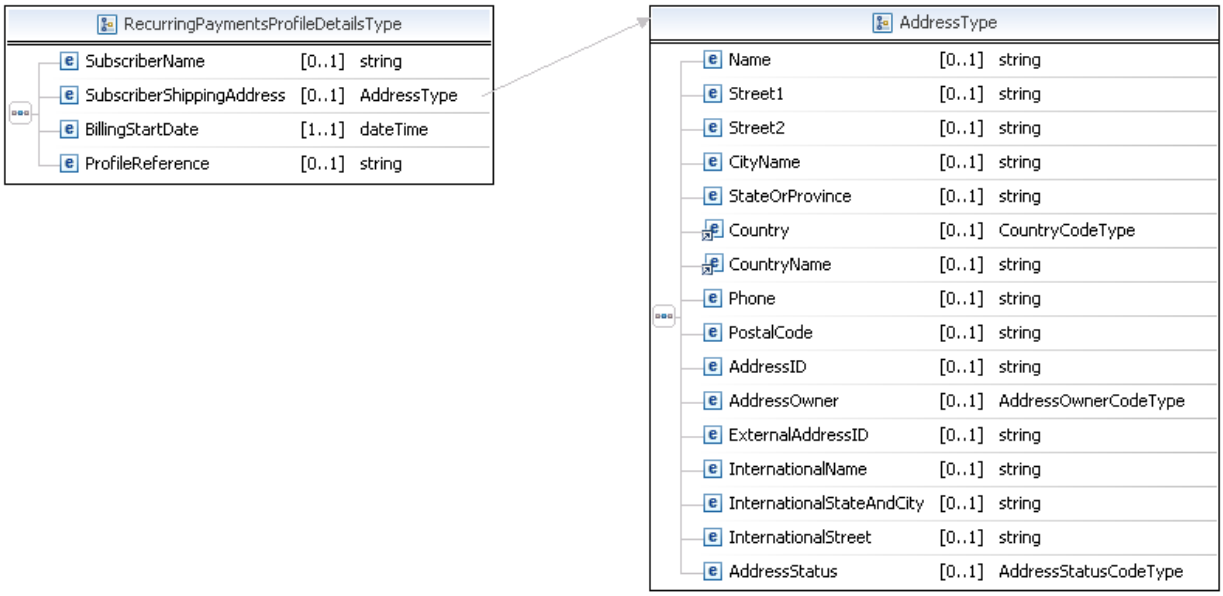
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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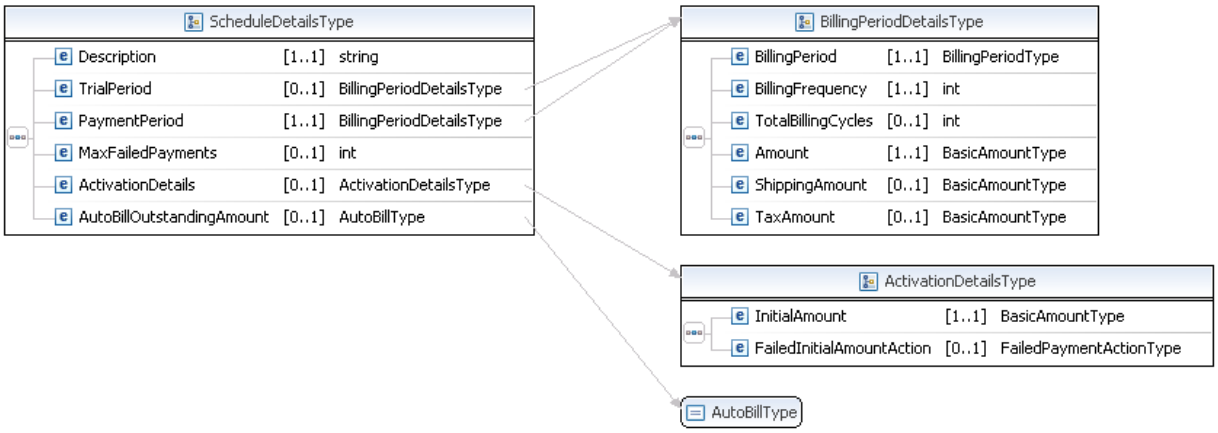


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

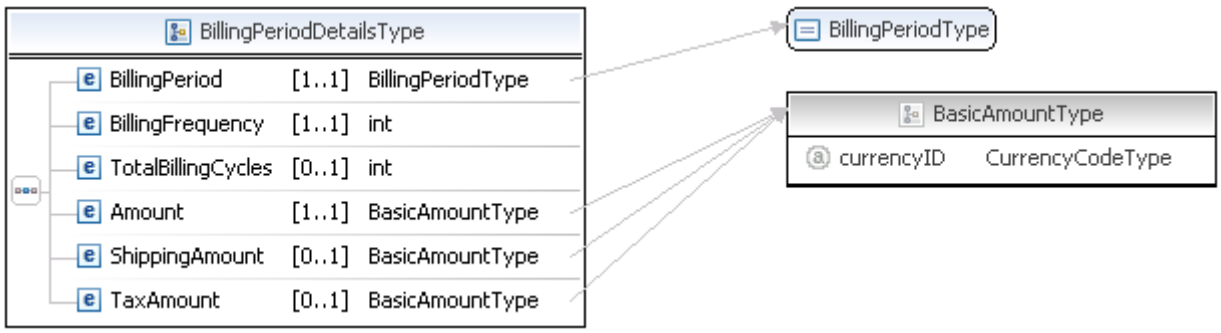
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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

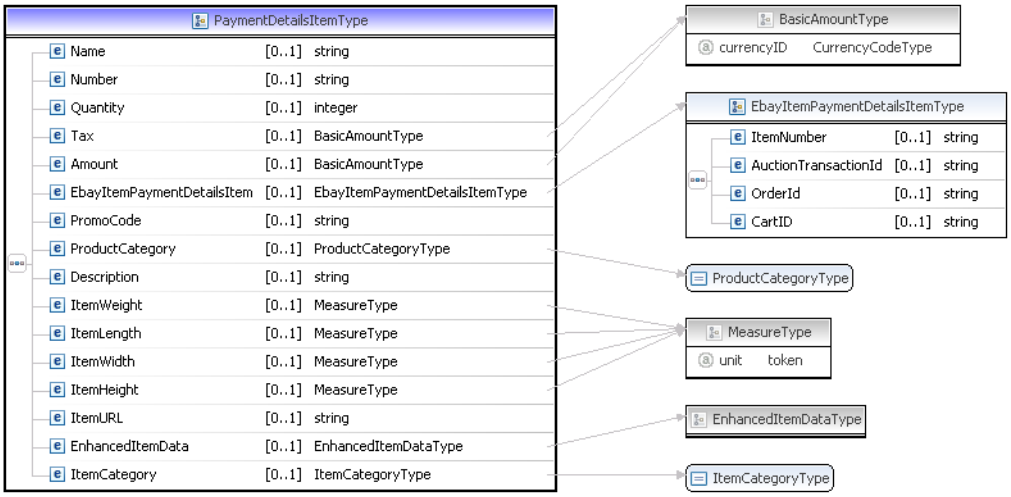


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

CreateRecurringPaymentsProfile Request Fields

Field	Description
`Token`	`xs:string` A timestamped token, the value of which was returned in the response to the first call to `SetExpressCheckout`. You can also use the token returned in the `SetCustomerBillingAgreement` response. Either this token or a credit card number is required. If you include both token and credit card number, the token is used and credit card number is ignored. Call `CreateRecurringPaymentsProfile` once for each billing agreement included in `SetExpressCheckout` request and use the same token for each call. Each `CreateRecurringPaymentsProfile` request creates a single recurring payments profile. **NOTE:** Tokens expire after approximately 3 hours.
`CreditCard`	`ns:CreditCardDetailsType` Credit card information for recurring payments using direct payments. Either a token or a credit card number is required. If you include both token and credit card number, the token is used and credit card number is ignored.
`RecurringPayments ProfileDetails`	`ns:RecurringPaymentsProfileDetails` *(Required)* You can include up to 10 recurring payments profiles per request. The order of the profile details must match the order of the billing agreement details specified in the `SetExpressCheckout` request.
`ScheduleDetails`	`ns:ScheduleDetailsType` *(Required)*

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RecurringPaymentsProfileDetailsType Fields

Field	Description
`SubscriberName`	`xs:string` *(Optional)* Full name of the person receiving the product or service paid for by the recurring payment. If not present, the name in the buyer's PayPal account is used. Character length and limitations: 32 single-byte characters.
`SubscriberShipping Address`	`ns:AddressType` *(Optional)* The subscriber's shipping address associated with this profile, if applicable. If not specified, the ship to address from buyer's PayPal account is used. **NOTE:** Shipping Address is optional, but if you include it, certain fields are required.
`BillingStartdate`	`xs:dateTime` *(Required)* The date when billing for this profile begins. Must be a valid date, in UTC/GMT format. **NOTE:** The profile may take up to 24 hours for activation.
`ProfileReference`	`xs:string` *(Optional)* The merchant's own unique reference or invoice number. Character length and limitations: 127 single-byte alphanumeric characters.

ScheduleDetailsType Fields

Field	Description
`Description`	`xs:string` *(Required)* Description of the recurring payment. **NOTE:** This field must match the corresponding billing agreement description included in the `SetExpressCheckout` request. Character length and limitations: 127 single-byte alphanumeric characters
`ActivationDetails`	`ns:ActivationDetailsType` *(Optional)*
`TrialPeriod`	`ns:BillingPeriodDetailsType` *(Optional)* The trial period for this schedule.
`PaymentPeriod`	`ns:BillingPeriodDetailsType` *(Required)* The regular payment period for this schedule.
`MaxFailedPayments`	`xs:int` *(Optional)* The number of scheduled payments that can fail before the profile is automatically suspended. An IPN message is sent to the merchant when the specified number of failed payments is reached. Character length and limitations: Number string representing an integer.

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Field	Description
AutoBillOutstandingAmount	ns:AutoBillType *(Optional)* This field indicates whether you would like PayPal to automatically bill the outstanding balance amount in the next billing cycle. The outstanding balance is the total amount of any previously failed scheduled payments that have yet to be successfully paid. Valid values: Must be NoAutoBill or AddToNextBilling.

BillingPeriodDetailsType Fields

Field	Description
PaymentPeriod.BillingPeriod	ns:BillingPeriodType *(Required)* Unit for billing during this subscription period. One of the following values: • Day • Week • SemiMonth • Month • Year For SemiMonth, billing is done on the 1st and 15th of each month. **NOTE:** The combination of BillingPeriod and BillingFrequency cannot exceed one year.
PaymentPeriod.BillingFrequency	xs:int *(Required)* Number of billing periods that make up one billing cycle. The combination of billing frequency and billing period must be less than or equal to one year. For example, if the billing cycle is Month, the maximum value for billing frequency is 12. Similarly, if the billing cycle is Week, the maximum value for billing frequency is 52. **NOTE:** If the billing period is SemiMonth., the billing frequency must be 1.
PaymentPeriod.TotalBillingCycles	xs:int *(Optional)* The number of billing cycles for payment period. • For the regular payment period, if no value is specified or the value is 0, the regular payment period continues until the profile is canceled or deactivated. • For the regular payment period, if the value is greater than 0, the regular payment period will expire after the trial period is finished and continue at the billing frequency for TotalBillingCycles cycles.

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Field	Description
`PaymentPeriod.Amount`	`cc:BasicAmountType` *(Required)* Billing amount for each billing cycle during this payment period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the `CreateRecurringPaymentsProfile` request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`TrialPeriod.BillingPeriod`	`ns:BillingPeriodType` Unit for billing during this subscription period; required if you specify an optional trial period. One of the following values: • `Day` • `Week` • `SemiMonth` • `Month` • `Year` For `SemiMonth`, billing is done on the 1st and 15th of each month. **NOTE:** The combination of `BillingPeriod` and `BillingFrequency` cannot exceed one year.
`TrialPeriod.BillingFrequency`	`xs:int` Number of billing periods that make up one billing cycle; required if you specify an optional trial period. The combination of billing frequency and billing period must be less than or equal to one year. For example, if the billing cycle is `Month`, the maximum value for billing frequency is 12. Similarly, if the billing cycle is `Week`, the maximum value for billing frequency is 52. **NOTE:** If the billing period is `SemiMonth`., the billing frequency must be 1.
`TrialPeriod.TotalBillingCycles`	`xs:int` *(Optional)* The number of billing cycles for trial payment period.
`TrialPeriod.Amount`	`cc:BasicAmountType` Billing amount for each billing cycle during this payment period; required if you specify an optional trial period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the `CreateRecurringPaymentsProfile` request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

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Field	Description
ShippingAmount	cc:BasicAmountType *(Optional)* Shipping amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
TaxAmount	cc:BasicAmountType *(Optional)* Tax amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

ActivationDetailsType Fields

Field	Description
InitialAmount	cc:BasicAmountType *(Optional)* Initial non-recurring payment amount due immediately upon profile creation. Use an initial amount for enrolment or set-up fees. **NOTE:** All amounts included in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
FailedInitialAmountAction	ns:FailedPaymentAction *(Optional)* By default, PayPal will suspend the pending profile in the event that the initial payment amount fails. You can override this default behavior by setting this field to ContinueOnFailure, which indicates that if the initial payment amount fails, PayPal should add the failed payment amount to the outstanding balance for this recurring payment profile. When this flag is set to ContinueOnFailure, a success code will be returned to the merchant in the CreateRecurringPaymentsProfile response and the recurring payments profile will be activated for scheduled billing immediately. You should check your IPN messages or PayPal account for updates of the payment status. If this field is not set or is set to CancelOnFailure, PayPal will create the recurring payment profile, but will place it into a pending status until the initial payment is completed. If the initial payment clears, PayPal will notify you by IPN that the pending profile has been activated. If the payment fails, PayPal will notify you by IPN that the pending profile has been canceled. Character length and limitations: ContinueOnFailure or CancelOnFailure.

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AddressType (Shipping) Fields

Field	Description
`Name`	`xs:string` Person's name associated with this shipping address. Required if using a shipping address. Character length and limitations: 32 single-byte characters.
`Street1`	`xs:string` First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters.
`Street2`	`xs:string` *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
`CityName`	`xs:string` Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
`StateOrProvince`	`xs:string` State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
`PostalCode`	`xs:string` U.S. zip code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
`Country`	`ebl:CountryCodeType` Country code. Required if using a shipping address. Character limit: 2 single-byte characters.
`Phone`	`xs:string` *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

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CreditCardDetailsType Fields

Field	Description
CreditCardType	ebl:CreditCardType *(Required)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • Visa • MasterCard • Discover • Amex • Maestro: See note. • Solo: See note. For UK, only Maestro, Solo, MasterCard, Discover, and Visa are allowable. For Canada, only MasterCard and Visa are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is Maestro or Solo, the currencyId must be GBP. In addition, either StartMonth and StartYear or IssueNumber must be specified.
CreditCardNumber	xs:string *(Required)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
ExpMonth	xs:int *(Required)* Credit card expiration month. Character length and limitations: Two single-byte numeric characters, including leading zero.
ExpYear	xs:int *(Required)* Credit card expiration year. Character length and limitations: Four single-byte numeric characters.
CVV2	xs:string Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits. Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
CardOwner	ns:PayerInfoType *(Required)* Details about the owner of the credit card.
StartMonth	xs:int *(Optional)* Month that Maestro or Solo card was issued. Character length: Two-digit, zero-filled if necessary.

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Field	Description
`StartYear`	`xs:int` *(Optional)* Year that Maestro or Solo card was issued. Character length: Four digits.
`IssueNumber`	`xs:int` *(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

PayerInfoType Fields

Field	Description
`Payer`	`ebl:EmailAddressType` *(Required)* Email address of payer. Character length and limitations: 127 single-byte characters
`PayerID`	`ebl:UserIDType` *(Optional)* Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters
`PayerStatus`	`ebl:PayPalUserStatusCodeType` *(Optional)* Status of payer. Valid values are: • `verified` • `unverified` Character length and limitations: 10 single-byte alphabetic characters
`PayerName`	`ebl:PersonNameType` *(Optional)* First and last name of payer.
`PayerCountry`	`ebl:CountryCodeType` *(Optional)* Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters
`PayerBusiness`	`xs:string` *(Optional)* Payer's business name. Character length and limitations: 127 single-byte characters
`Address`	`xs:string` *(Optional)* Payer's shipping address information.

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PayerNameType Fields

Field	Description
Salutation	xs:string *(Optional)* Payer's salutation. Character length and limitations: 20 single-byte characters.
FirstName	ebl:PersonNameType *(Optional)* Payer's first name. Character length and limitations: 25 single-byte characters.
MiddleName	ebl:NameUser *(Optional)* Payer's middle name. Character length and limitations: 25 single-byte characters.
LastName	ebl:NameType *(Optional)* Payer's last name Character length and limitations: 25 single-byte characters.
Suffix	ebl:SuffixType *(Optional)* Payer's suffix Character length and limitations: 12 single-byte characters.

AddressType Fields

Field	Description
Street1	xs:string *(Required)* First street address. Character length and limitations: 100 single-byte characters.
Street2	xs:string *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
CityName	xs:string *(Required)* Name of city. Character length and limitations: 40 single-byte characters.
StateOrProvince	xs:string *(Required)* State or province. Character length and limitations: 40 single-byte characters.
Country	ebl:CountryCodeType *(Required)* Country code. Character limit: Two single-byte characters.

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Field	Description
PostalCode	xs:string *(Required)* U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
Phone	xs:string *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

PaymentDetailsItemType Fields

Field	Description
ItemCategory	ns:ItemCategoryType Is one of the following values. Introduced in Version 69.0. • Digital • Physical For digital goods, this field is required and must be set to Digital to get the best rates.
Name	xs:string Item name. Introduced in Version 69.0. This field is required when ItemCategory is passed. Character length and limitations: 127 single-byte characters
Description	xs:string *(Optional)* Item description. Introduced in Version 69.0. Character length and limitations: 127 single-byte characters
Amount	ebl:BasicAmountType Cost of item. Introduced in Version 69.0. This field is required when ItemCategory is passed. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
Number	xs:string *(Optional)* Item number. Introduced in Version 69.0.
Quantity	xs:integer Item quantity. Introduced in Version 69.0. This field is required when ItemCategory is passed. Character length and limitations: Any positive integer

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Field	Description
Tax	`ebl:BasicAmountType` *(Optional)* Item sales tax. Introduced in Version 69.0. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.

CreateRecurringPaymentsProfile Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

CreateRecurringPaymentsProfile Response Fields

Field	Description
`ProfileID`	`xs:string` A unique identifier for future reference to the details of this recurring payment. Character length and limitations: Up to 14 single-byte alphanumeric characters.
`ProfileStatus`	`ns:RecurringPaymentsProfileStatusType` Status of the recurring payment profile. • `ActiveProfile` - The recurring payment profile has been successfully created and activated for scheduled payments according the billing instructions from the recurring payments profile. • `PendingProfile` - The system is in the process of creating the recurring payment profile. Please check your IPN messages for an update.

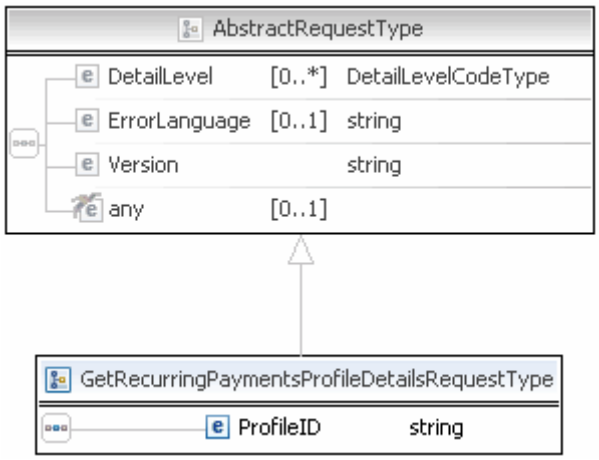
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GetRecurringPaymentsProfileDetails API Operation

Obtain information about a recurring payments profile.

- "GetRecurringPaymentsProfileDetails Request Message" on page 182
- "GetRecurringPaymentsProfileDetails Response Message" on page 183

GetRecurringPaymentsProfileDetails Request Message



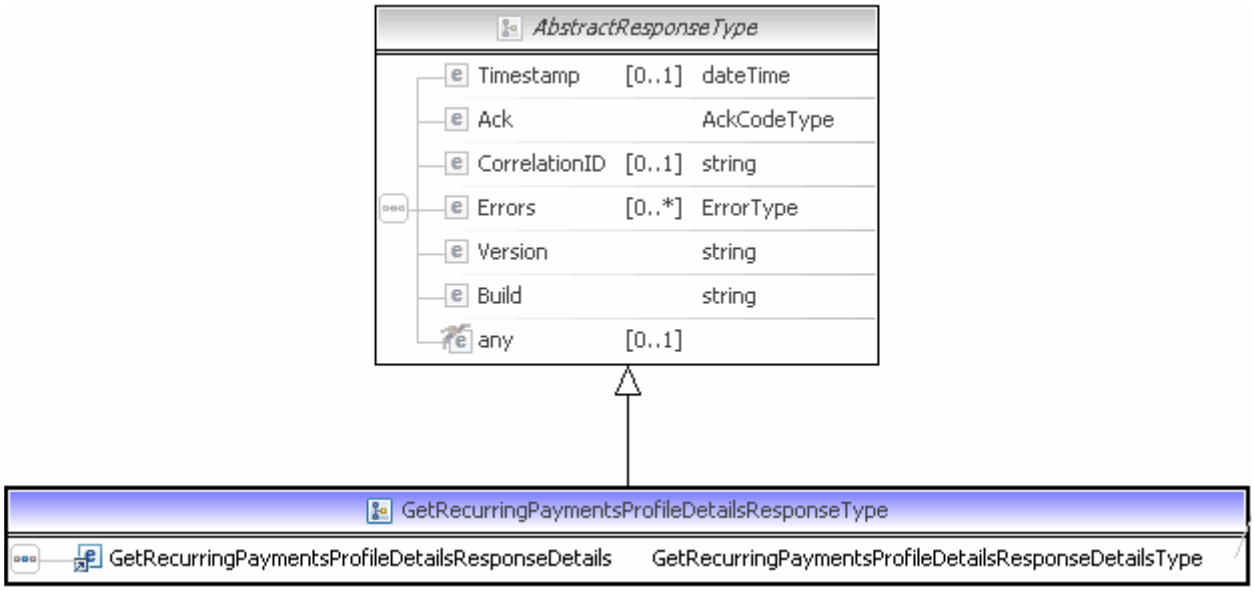
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetRecurringPaymentsProfileDetails Request Fields

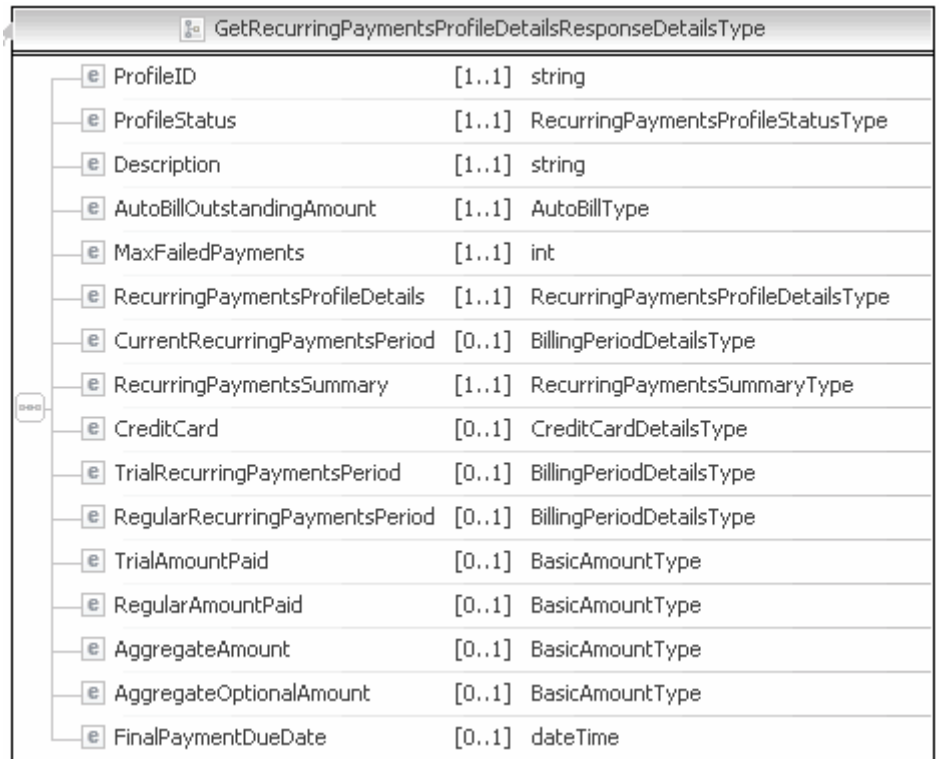
Field	Description
`ProfileID`	`xs:string` *(Required)* Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. Character length and limitations: 14 single-byte alphanumeric characters. 19 character profile IDs are supported for compatibility with previous versions of the PayPal API.

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GetRecurringPaymentsProfileDetails Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



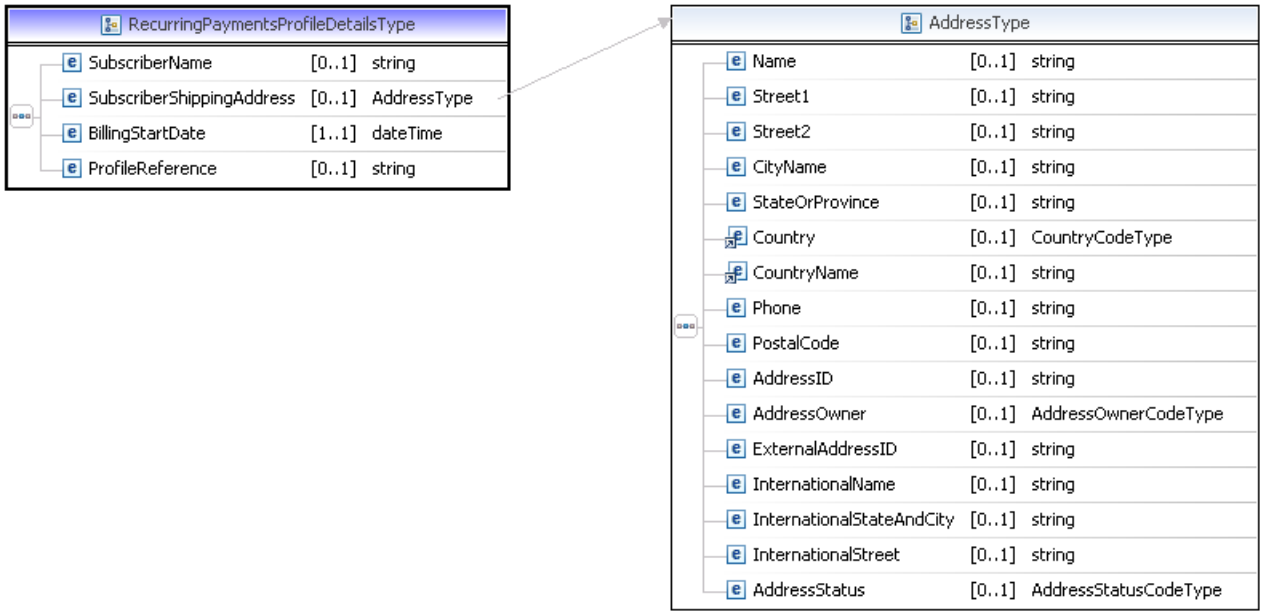
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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

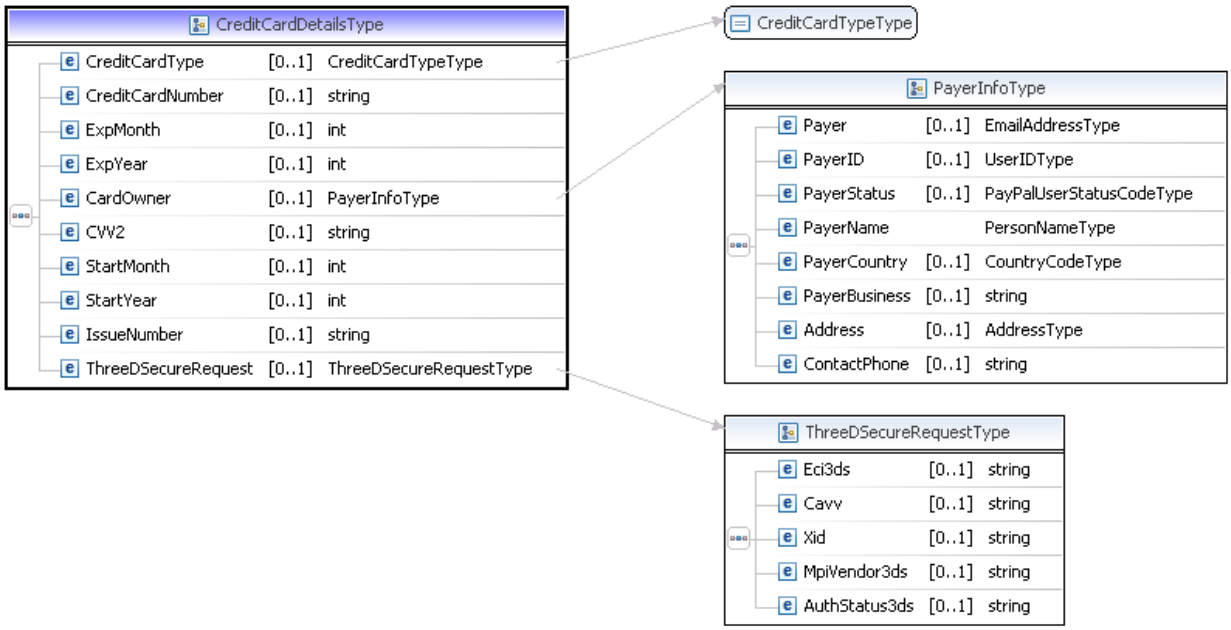


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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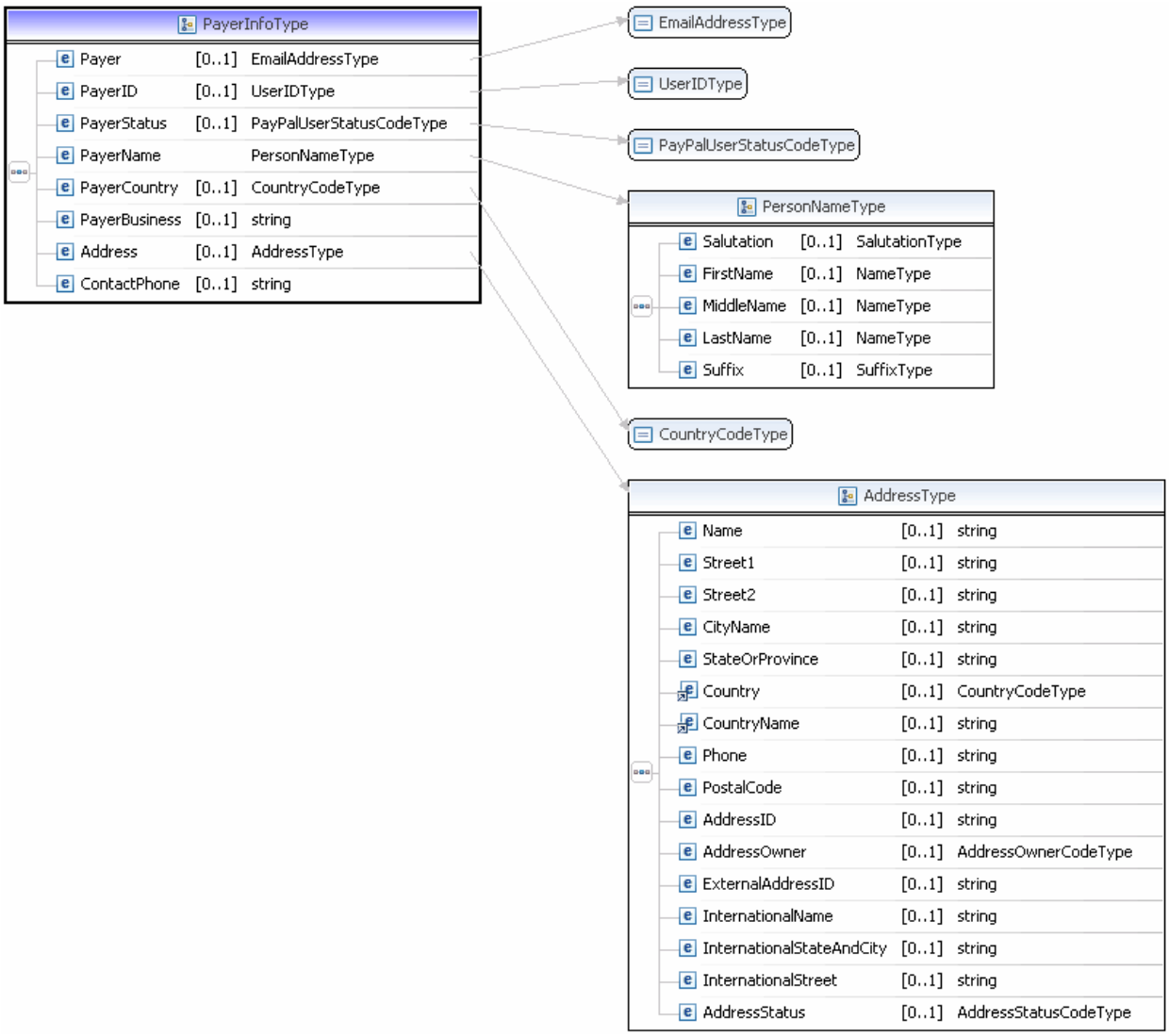


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



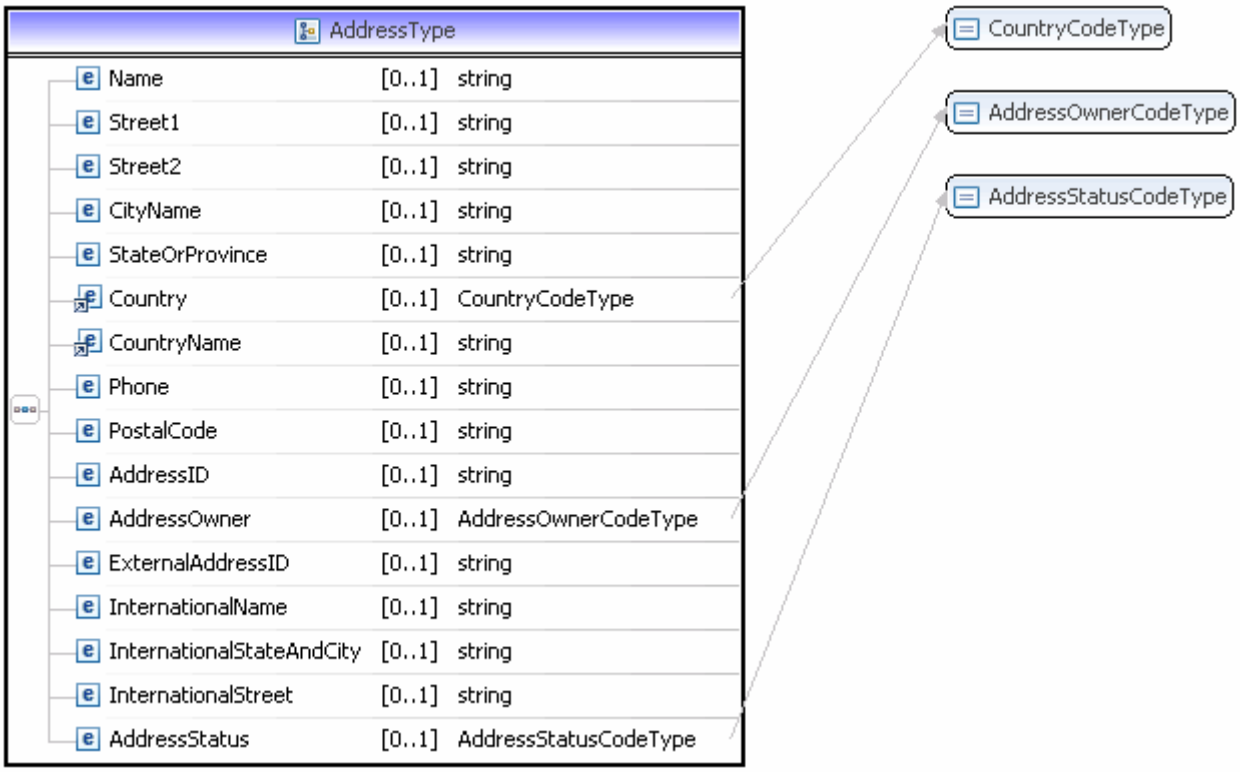
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetRecurringPaymentsProfileDetails Response Fields

Field	Description
`ProfileID`	`xs:string` Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response.
`ProfileStatus`	`ns:RecurringPaymentsProfileStatusType` Status of the recurring payment profile. • `ActiveProfile` • `PendingProfile` • `CancelledProfile` • `SuspendedProfile` • `ExpiredProfile`
`Description`	`xs:string` Description of the recurring payment. Character length and limitations: 127 single-byte alphanumeric characters.

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Field	Description
`AutoBillOutstandingAmount`	`ns:AutoBillType` This field indicates whether you would like PayPal to automatically bill the outstanding balance amount in the next billing cycle. The outstanding balance is the total amount of any previously failed scheduled payments that have yet to be successfully paid. Valid values: `NoAutoBill` or `AddToNextBilling`.
`MaxFailedPayments`	`xs:int` The number of scheduled payments that can fail before the profile is automatically suspended. Character length and limitations: Number string representing an integer.
`RecurringPaymentsProfileDetails`	`ns:RecurringPaymentsProfileDetailsType` Buyer information for this recurring payments profile.
`CurrentRecurringPaymentsPeriod`	`ns:BillingPeriodDetailsType` This field is not returned if the profile is canceled or expired: Details of the current subscription period.
`RecurringPaymentsSummary`	`ns:RecurringPaymentsSummaryDetailsType` Payment summary for this recurring payments profile.
`AggregateAmount`	`ns:AmountType` Total amount collected thus far for scheduled payments. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
`AggregateOptionalAmount`	`ns:AmountType` Total amount collected thus far for optional payments. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,).
`FinalPaymentDueDate`	`ns:DateTime` Final scheduled payment due date before the profile expires.
`CreditCard`	`ns:CreditCardDetailsType` If this is a recurring payments profile using direct payments, this field contains the credit card information for this profile. **NOTE:** Only the last four digits of the credit card account number are returned, and the CVV2 value is not returned.

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RecurringPaymentsProfileDetailsType Fields

Field	Description
SubscriberName	xs:string Full name of the person receiving the product or service paid for by the recurring payment. If not present, the name in the buyer's PayPal account is used. Character length and limitations: 32 single-byte characters.
SubscriberShipping Address	ns:AddressType The subscriber's shipping address associated with this profile, if applicable. If not specified, the ship to address from buyer's PayPal account is used. **NOTE:** Shipping Address is optional, but if you include it, certain fields are required.
BillingStartdate	xs:dateTime The date when billing for this profile begins. Must be a valid date, in UTC/GMT format. **NOTE:** The profile may take up to 24 hours for activation.
ProfileReference	xs:string The merchant's own unique reference or invoice number. Character length and limitations: 127 single-byte alphanumeric characters.

AddressType (Shipping) Fields

Field	Description
AddressStatus	ebl:AddressStatusTypeCode Status of street address on file with PayPal. Valid values are: • none • Confirmed • Unconfirmed
Name	xs:string Person's name associated with this address. Character length and limitations: 32 single-byte characters.
Street1	xs:string First street address. Character length and limitations: 100 single-byte characters.
Street2	xs:string Second street address. Character length and limitations: 100 single-byte characters.

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Field	Description
CityName	xs:string Name of city. Character length and limitations: 40 single-byte characters.
StateOrProvince	xs:string State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
PostalCode	xs:string U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
Country	ebl:CountryCode Country code. Character limit: Two single-byte characters.

BillingPeriodDetailsType Fields

Field	Description
BillingPeriod	ns:BillingPeriodType Unit for billing during this subscription period. One of the following values: • Day • Week • SemiMonth • Month • Year For SemiMonth, billing is done on the 1st and 15th of each month. **NOTE:** The combination of BillingPeriod and BillingFrequency cannot exceed one year.
BillingFrequency	xs:int Number of billing periods that make up one billing cycle. The combination of billing frequency and billing period must be less than or equal to one year. For example, if the billing cycle is Month, the maximum value for billing frequency is 12. Similarly, if the billing cycle is Week, the maximum value for billing frequency is 52. **NOTE:** If the billing period is SemiMonth., the billing frequency must be 1.

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Field	Description
TotalBillingCycles	xs:int The number of billing cycles for payment period (either the regular payment period or the trial period). • For the trial period, the value must be greater than 0. • For the regular payment period, if no value is specified or the value is 0, the regular payment period continues until the profile is canceled or deactivated. • For the regular payment period, if the value is greater than 0, the regular payment period will expire after the trial period is finished and continue at the billing frequency for TotalBillingCycles cycles.
Amount	cc:BasicAmountType Billing amount for each billing cycle during this payment period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the CreateRecurringPaymentsProfile request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
ShippingAmount	cc:BasicAmountType Shipping amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
TaxAmount	cc:BasicAmountType Tax amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

RecurringPaymentsSummaryDetailsType Fields

Field	Description
NextBillingDate	xs:dateTime The next scheduled billing date, in YYYY-MM-DD format.

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Field	Description
`NumberCycles Completed`	`xs:int` The number of billing cycles completed in the current active subscription period. A billing cycle is considered completed when payment is collected or after retry attempts to collect payment for the current billing cycle have failed.
`NumberCycles Remaining`	`xs:int` The number of billing cycles remaining in the current active subscription period.
`OutstandingBalance`	`cc:BasicAmountType` The current past due or outstanding balance for this profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`FailedPaymentCount`	`xs:int` The total number of failed billing cycles for this profile.
`LastPaymentDate`	`xs:dateTime` The date of the last successful payment received for this profile, in YYYY-MM-DD format.
`LastPaymentAmount`	`cc:BasicAmountType` The amount of the last successful payment received for this profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

CreditCardDetailsType Fields

Field	Description
`CreditCardType`	`ebl:CreditCardType` Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • `Visa` • `MasterCard` • `Discover` • `Amex` • `Maestro`: See important note. • `Solo`: See important note. **NOTE:** If the credit card type is `Maestro` or `Solo`, the `currencyId` must be `GBP`. In addition, either `StartMonth` and `StartYear` or `IssueNumber` must be specified.

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Field	Description
CreditCardNumber	xs:string Credit card number. Only the last 4 digits of the credit card number are returned. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
ExpMonth	xs:int Credit card expiration month. Character length and limitations: Two single-byte numeric characters, including leading zero.
ExpYear	xs:int Credit card expiration year. Character length and limitations: Four single-byte numeric characters.
CardOwner	ns:PayerInfoType Details about the owner of the credit card.
StartMonth	xs:int Month that Maestro or Solo card was issued. Character length: Two-digit, zero-filled if necessary.
StartYear	xs:int Year that Maestro or Solo card was issued. Character length: Four digits.
IssueNumber	xs:int Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

PayerInfoType Fields

Field	Description
Payer	ns:EmailAddressType Email address of payer. Character length and limitations: 127 single-byte characters.
FirstName	ns:PersonNameType Payer's first name. Character length and limitations: 25 single-byte characters.
LastName	ns:PersonNameType Payer's last name. Character length and limitations: 25 single-byte characters.
Address	ns:AddressType Payer's billing address information.

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AddressType Fields

Field	Description
`AddressOwner`	`ebl:AddressOwnerTypeCode` eBay company that maintains this address. Valid values are: • eBay • `PayPal`
`AddressStatus`	`ebl:AddressStatusTypeCode` Status of street address on file with PayPal. Valid values are: • `none` • `Confirmed` • `Unconfirmed`
`Name`	`xs:string` Person's name associated with this address. Character length and limitations: 32 single-byte characters.
`Street1`	`xs:string` First street address. Character length and limitations: 100 single-byte characters.
`Street2`	`xs:string` Second street address. Character length and limitations: 100 single-byte characters.
`CityName`	`xs:string` Name of city. Character length and limitations: 40 single-byte characters.
`StateOrProvince`	`xs:string` State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
`PostalCode`	`xs:string` U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
`Country`	`ns:CountryCode` Country code. Character limit: Two single-byte characters.
`CountryName`	`xs:string` Expanded name of country. Character length and limitations: 64 single-byte alphanumeric characters
`Phone`	`xs:string` Country code. Character limit: Two single-byte characters.

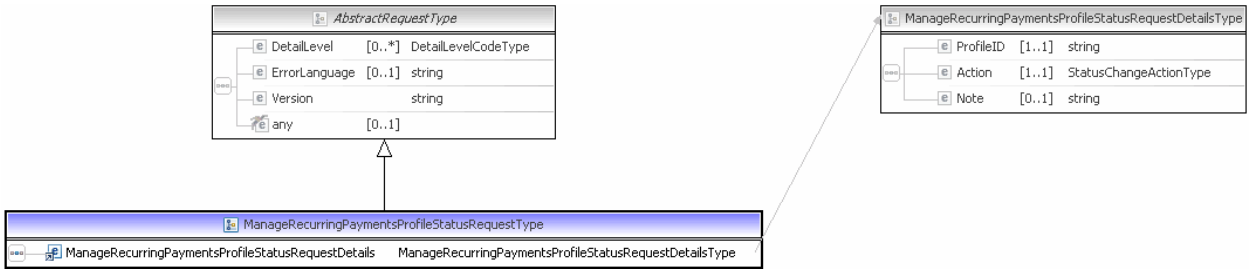
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ManageRecurringPaymentsProfileStatus API Operation

Cancel, suspend, or reactivate a recurring payments profile.

- "ManageRecurringPaymentsProfileStatus Request Message" on page 195
- "ManageRecurringPaymentsProfileStatus Response Message" on page 196

ManageRecurringPaymentsProfileStatus Request Message



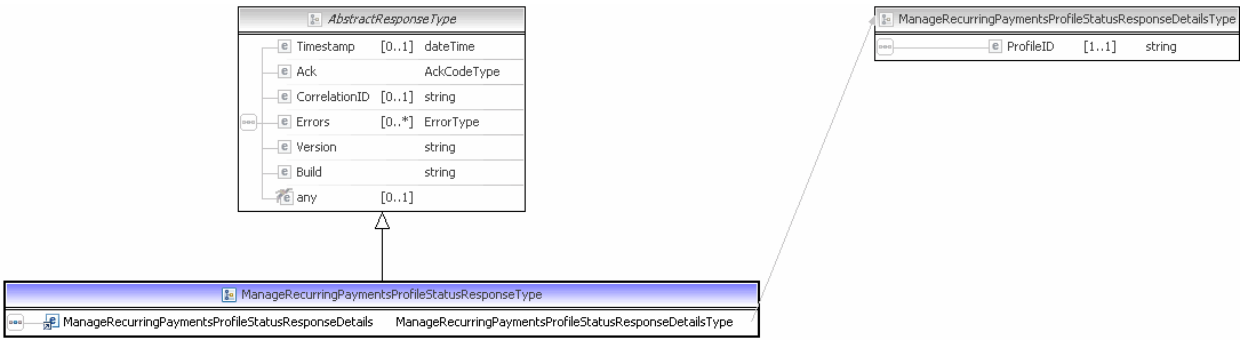
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

ManageRecurringPaymentsProfileStatus Request Fields

Field	Description
`ProfileID`	`xs:string` *(Required)* Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. Character length and limitations: 14 single-byte alphanumeric characters. 19 character profile IDs are supported for compatibility with previous versions of the PayPal API.
`Action`	`ns:StatusChangeActionType` *(Required)* The action to be performed to the recurring payments profile. Must be one of the following: • `Cancel` - Only profiles in Active or Suspended state can be canceled. • `Suspend` - Only profiles in Active state can be suspended. • `Reactivate` - Only profiles in a suspended state can be reactivated.
`Note`	`xs:string` *(Optional)* The reason for the change in status. For profiles created using Express Checkout, this message will be included in the email notification to the buyer when the status of the profile is successfully changed, and can also be seen by both you and the buyer on the Status History page of the PayPal account.

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ManageRecurringPaymentsProfileStatus Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

ManageRecurringPaymentsProfileStatus Response Fields

Field	Description
`ProfileID`	`xs:string` Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. For each action, an error is returned if the recurring payments profile has a status that is not compatible with the action. Errors are returned in the following cases: • `Cancel` - Profile status is not Active or Suspended. • `Suspend` - Profile status is not Active. • `Reactivate` - Profile status is not Suspended.

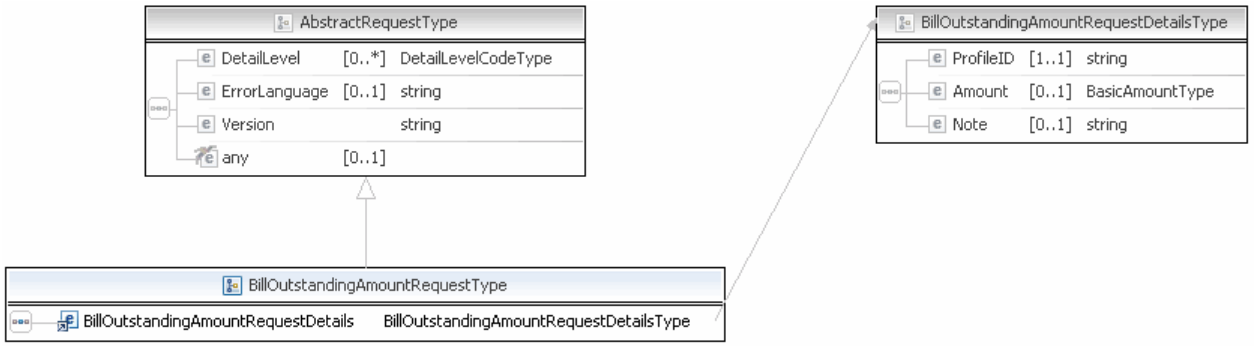
BillOutstandingAmount API Operation

Bill the buyer for the outstanding balance associated with a recurring payments profile.

- "BillOutstandingAmount Request Message" on page 197
- "BillOutstandingAmount Response Message" on page 198

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BillOutstandingAmount Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

BillOutstandingAmount Request Fields

Field	Description
`ProfileID`	`xs:string` (Required) Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. Character length and limitations: 14 single-byte alphanumeric characters. 19 character profile IDs are supported for compatibility with previous versions of the PayPal API. **NOTE:** The profile must have a status of either `Active` or `Suspended`.
`Amount`	`cc:BasicAmountType` (Optional) The amount to bill. The amount must be less than or equal to the current outstanding balance of the profile. If no value is specified, PayPal will attempt to bill the entire outstanding balance amount. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

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Field	Description
`Note`	`xs:string` (Optional) The reason for the non-scheduled payment. For profiles created using Express Checkout, this message will be included in the email notification to the buyer for the non-scheduled payment transaction, and can also be seen by both you and the buyer on the Status History page of the PayPal account.

BillOutstandingAmount Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

BillOutstandingAmount Response Fields

Field	Description
`ProfileID`	`xs:string` Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. An error is returned if the profile specified in the `BillOutstandingAmount` request has a status of canceled or expired.

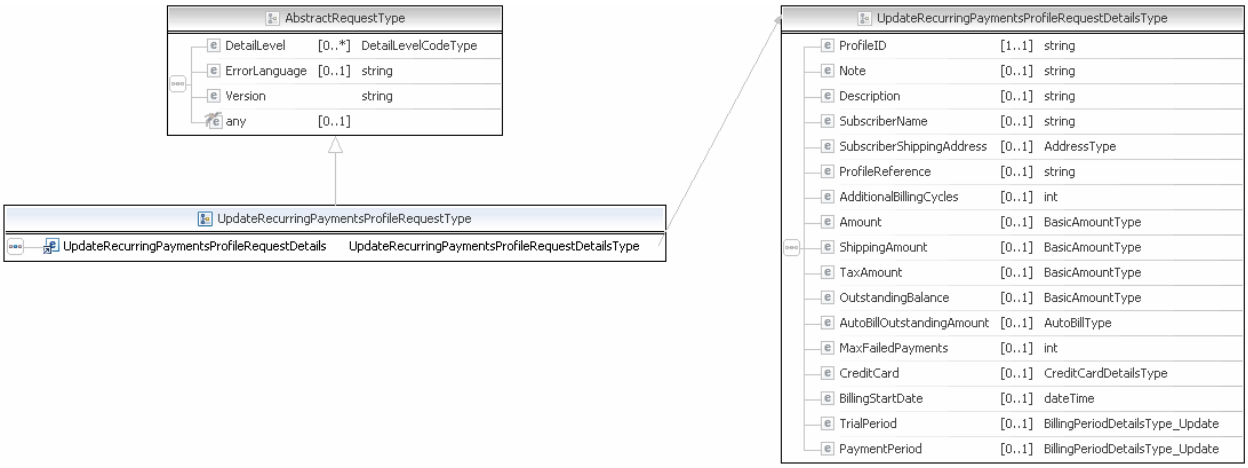
UpdateRecurringPaymentsProfile API Operation

Update a recurring payments profile.

- "UpdateRecurringPaymentsProfile Request Message" on page 199
- "UpdateRecurringPaymentsProfile Response Message" on page 210

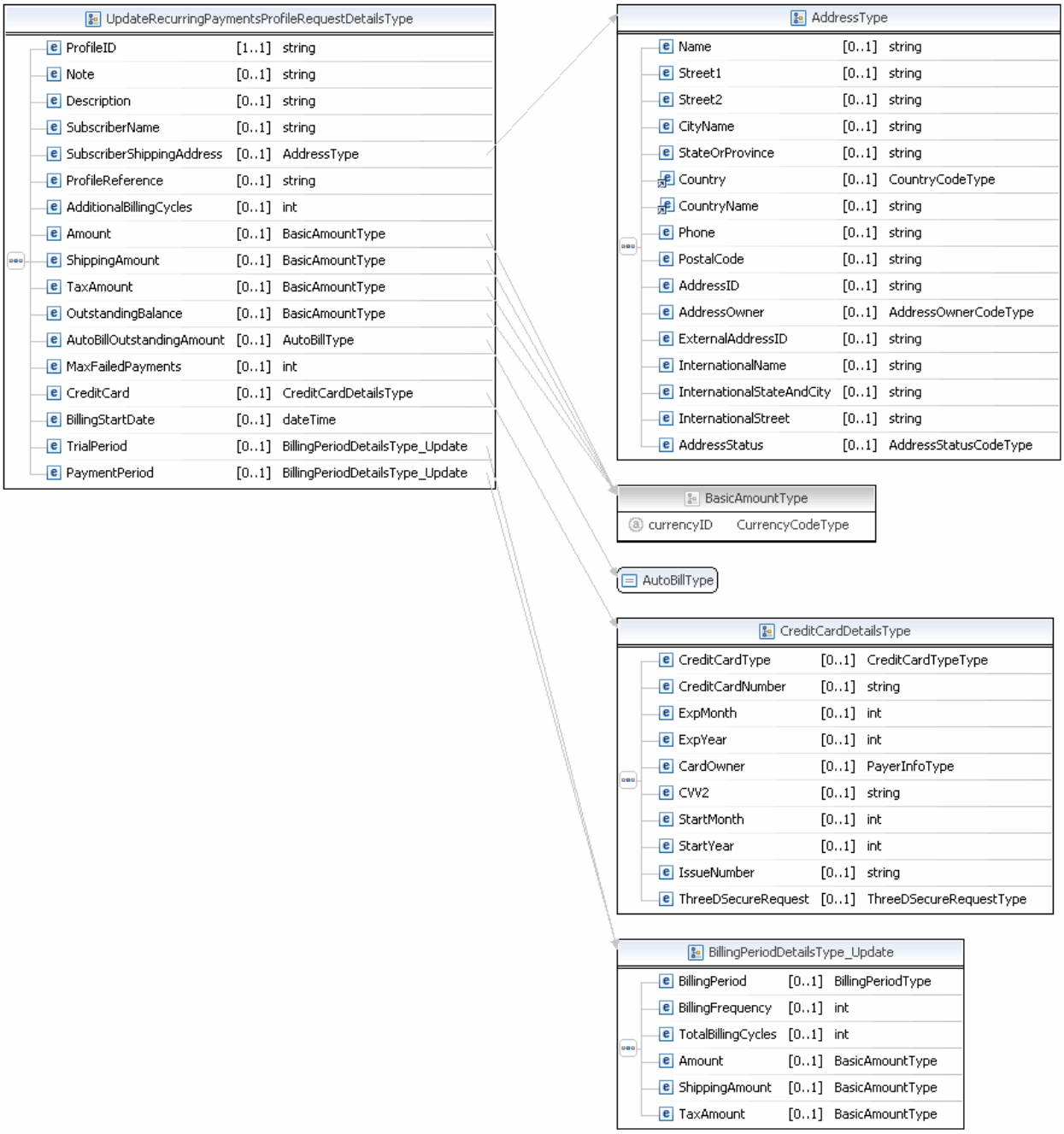
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UpdateRecurringPaymentsProfile Request Message



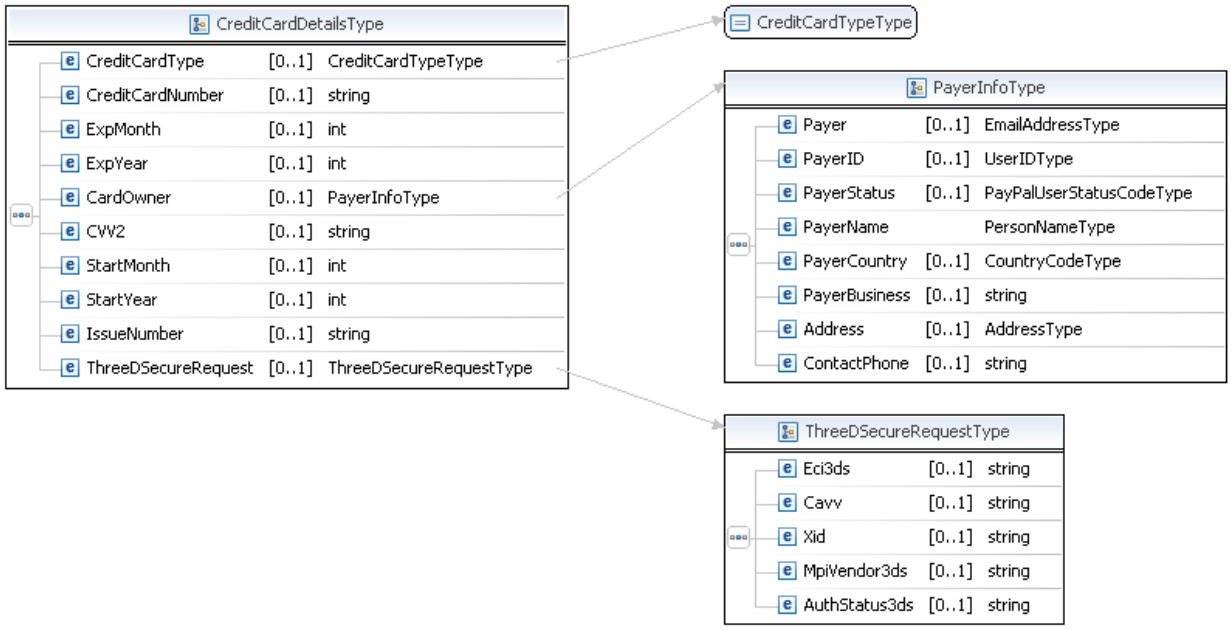
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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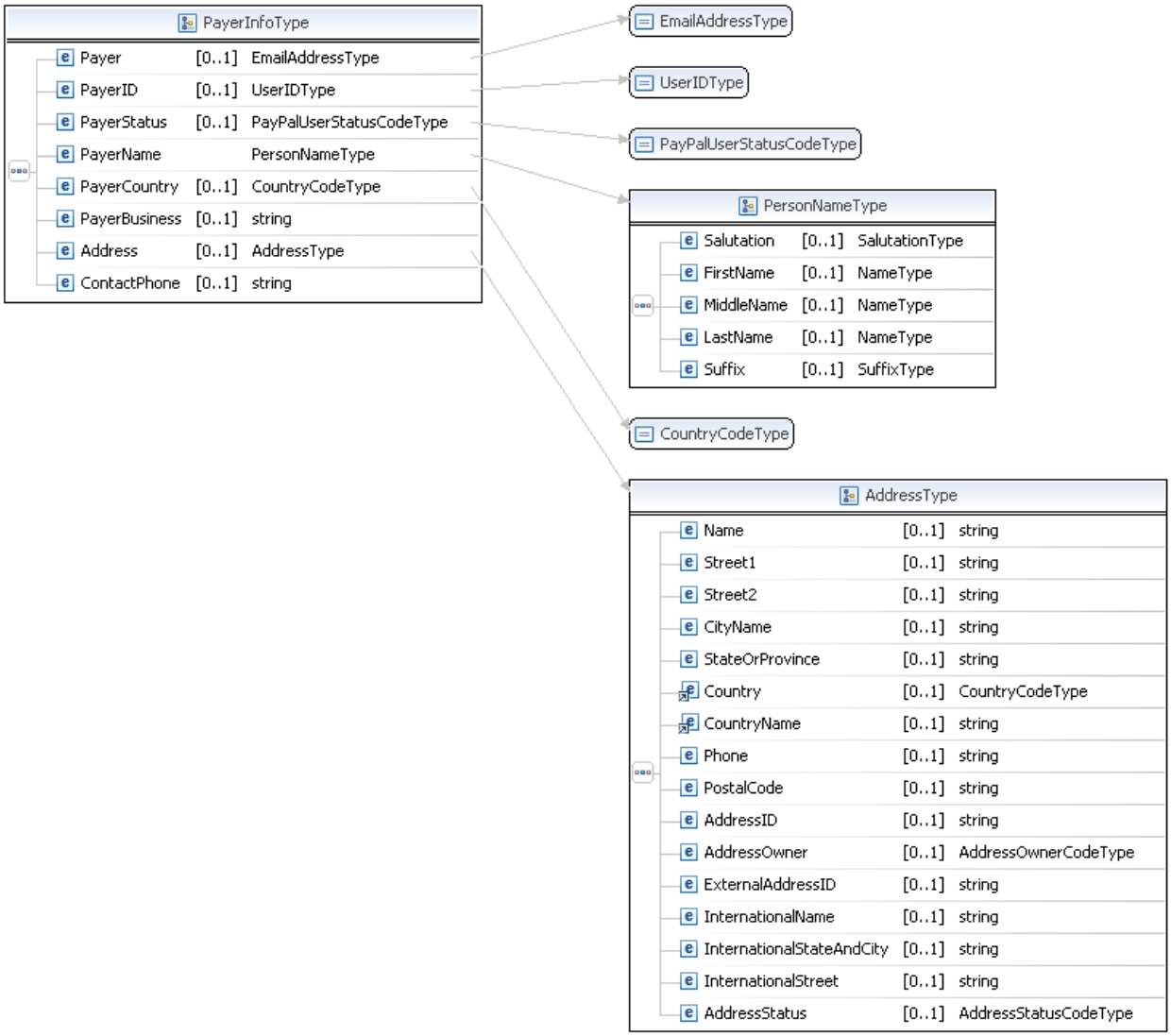
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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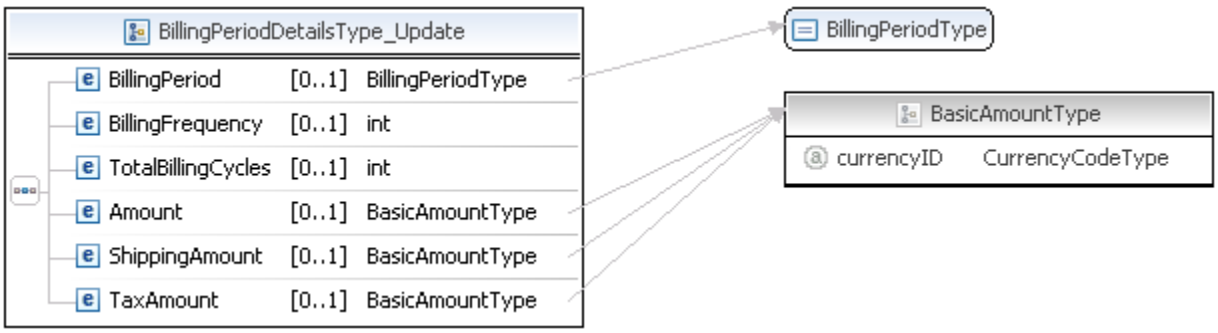


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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UpdateRecurringPaymentsProfile Request Fields

Field	Description
`ProfileID`	`xs:string` *(Required)* Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. Character length and limitations: 14 single-byte alphanumeric characters. 19 character profile IDs are supported for compatibility with previous versions of the PayPal API.
`Note`	`xs:string` *(Optional)* The reason for the update to the recurring payments profile. This message will be included in the email notification to the buyer for the recurring payments profile update. This note can also be seen by both you and the buyer on the Status History page of the PayPal account.
`Description`	`xs:string` *(Optional)* Description of the recurring payment. Character length and limitations: 127 single-byte alphanumeric characters.
`SubscriberName`	`xs:string` *(Optional)* Full name of the person receiving the product or service paid for by the recurring payment. If not present, the name in the buyer's PayPal account is used. Character length and limitations: 32 single-byte characters.
`SubscriberShipping Address`	`ns:AddressType` *(Optional)* The subscriber's shipping address associated with this profile, if applicable. If not specified, the ship to address from buyer's PayPal account is used. **NOTE:** Shipping Address is optional, but if you update any of the address fields, you must enter all of them. For example, if you want to update the subsriber's street address, you must specify all of the fields listed in ShipTo: AddressType, not just the field for the street address.
`ProfileReference`	`xs:string` *(Optional)* The merchant's own unique reference or invoice number. Character length and limitations: 127 single-byte alphanumeric characters.
`AdditionalBilling Cycles`	`xs:int` *(Optional)* The number of additional billing cycles to add to this profile.

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Field	Description
`Amount`	`cc:BasicAmountType` *(Optional)* Billing amount for each cycle in the subscription period, not including shipping and tax amounts. **NOTE:** For recurring payments with Express Checkout, the payment amount can be increased by no more than 20% every 180 days (starting when the profile is created). Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`ShippingAmount`	`cc:BasicAmountType` *(Optional)* Shipping amount for each billing cycle during the regular payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`TaxAmount`	`cc:BasicAmountType` *(Optional)* Tax amount for each billing cycle during the regular payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`OutstandingBalance`	`cc:BasicAmountType` *(Optional)* The current past due or outstanding amount for this profile. You can only decrease the outstanding amount—it cannot be increased. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`AutoBillOutstanding Amount`	`ns:AutoBillType` *(Optional)* This field indicates whether you would like PayPal to automatically bill the outstanding balance amount in the next billing cycle. Valid values: Must be `NoAutoBill` or `AddToNextBilling`.
`MaxFailedPayments`	`xs:int` *(Optional)* The number of failed payments allowed before the profile is automatically suspended. The specified value cannot be less than the current number of failed payments for this profile. Character length and limitations: Number string representing an integer.

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Field	Description
`BillingStartdate`	`xs:dateTime` *(Optional)* The date when billing for this profile begins. Must be a valid date, in UTC/GMT format. **NOTE:** The profile may take up to 24 hours for activation.
`TrialPeriod`	`ns:BillingPeriodDetailsType` *(Optional)* The trial period for this schedule.
`PaymentPeriod`	`ns:BillingPeriodDetailsType` *(Optional)* The regular payment period for this schedule.
`CreditCard`	`ns:CreditCardDetailsType` *(Optional)* **NOTE:** Only enter credit card details for recurring payments with direct payments. **NOTE:** Credit card billing address is optional, but if you update any of the address fields, you must enter all of them. For example, if you want to update the street address, you must specify all of the address fields listed in `CreditCardDetailsType`, not just the field for the street address. Credit card information for this profile, if applicable.

AddressType (Shipping) Fields

Field	Description
`Name`	`xs:string` Person's name associated with this shipping address. Required if using a shipping address. Character length and limitations: 32 single-byte characters.
`Street1`	`xs:string` First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters.
`Street2`	`xs:string` *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
`CityName`	`xs:string` Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
`StateOrProvince`	`xs:string` State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.

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Field	Description
PostalCode	xs:string U.S. zip code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
Country	ebl:CountryCodeType Country code. Required if using a shipping address. Character limit: 2 single-byte characters.
Phone	xs:string *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

BillingPeriodDetailsType Fields

Field	Description
PaymentPeriod.TotalBillingCycles	xs:int *(Optional)* The number of billing cycles for payment period. • For the regular payment period, if no value is specified or the value is 0, the regular payment period continues until the profile is canceled or deactivated. • For the regular payment period, if the value is greater than 0, the regular payment period will expire after the trial period is finished and continue at the billing frequency for TotalBillingCycles cycles.
PaymentPeriod.Amount	cc:BasicAmountType *(Required)* Billing amount for each billing cycle during this payment period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the CreateRecurringPaymentsProfile request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
TrialPeriod.TotalBillingCycles	xs:int *(Optional)* The number of billing cycles for trial payment period.

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Field	Description
`TrialPeriod.Amount`	`cc:BasicAmountType` Billing amount for each billing cycle during this payment period; required if you specify an optional trial period. This amount does not include shipping and tax amounts. **NOTE:** All amounts in the `CreateRecurringPaymentsProfile` request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`ShippingAmount`	`cc:BasicAmountType` *(Optional)* Shipping amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
`TaxAmount`	`cc:BasicAmountType` *(Optional)* Tax amount for each billing cycle during this payment period. **NOTE:** All amounts in the request must have the same currency. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.

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CreditCardDetailsType Fields

Field	Description
`CreditCardType`	`ebl:CreditCardType` *(Required)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • `Visa` • `MasterCard` • `Discover` • `Amex` • `Maestro`: See note. • `Solo`: See note. For UK, only `Maestro`, `Solo`, `MasterCard`, `Discover`, and `Visa` are allowable. For Canada, only `MasterCard` and `Visa` are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is `Maestro` or `Solo`, the `currencyId` must be `GBP`. In addition, either `StartMonth` and `StartYear` or `IssueNumber` must be specified.
`CreditCardNumber`	`xs:string` *(Required)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
`ExpMonth`	`xs:int` *(Required)* Credit card expiration month. Character length and limitations: Two single-byte numeric characters, including leading zero.
`ExpYear`	`xs:int` *(Required)* Credit card expiration year. Character length and limitations: Four single-byte numeric characters.
`CVV2`	`xs:string` Card Verification Value, version 2. Your Merchant Account settings determine whether this field is required. Character length for Visa, MasterCard, and Discover: exactly three digits. Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
`CardOwner`	`ns:PayerInfoType` *(Required)* Details about the owner of the credit card.
`StartMonth`	`xs:int` *(Optional)* Month that Maestro or Solo card was issued. Character length: Two-digit, zero-filled if necessary.

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Field	Description
StartYear	xs:int *(Optional)* Year that Maestro or Solo card was issued. Character length: Four digits.
IssueNumber	xs:int *(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

PayerInfoType Fields

Field	Description
Payer	ns:EmailAddressType *(Optional)* Email address of payer. Character length and limitations: 127 single-byte characters
FirstName	ns:PersonNameType *(Required)* Payer's first name. Character length and limitations: 25 single-byte characters
LastName	ns:PersonNameType *(Required)* Payer's last name. Character length and limitations: 25 single-byte characters
Address	ns:AddressType *(Required)* Payer's billing address information.

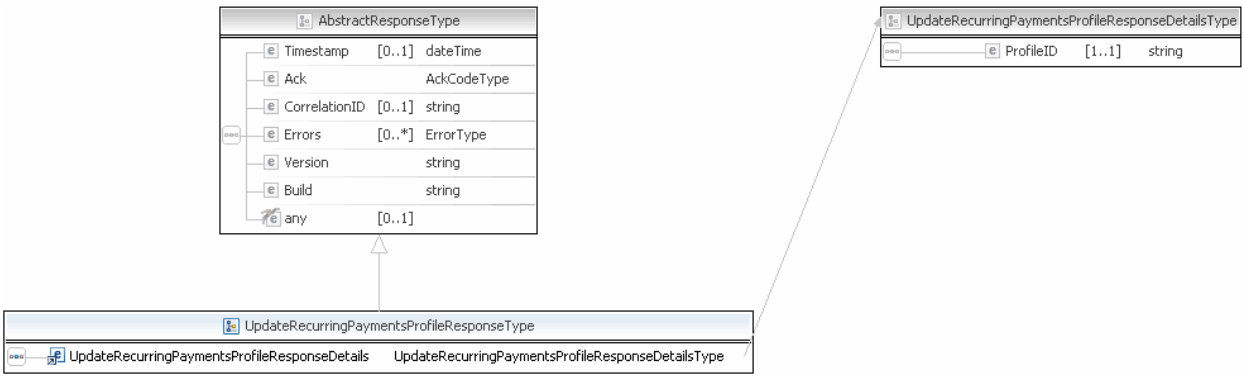
AddressType Fields

Field	Description
Street1	xs:string *(Required)* First street address. Character length and limitations: 100 single-byte characters.
Street2	xs:string *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.
CityName	xs:string *(Required)* Name of city. Character length and limitations: 40 single-byte characters.
StateOrProvince	xs:string *(Required)* State or province. Character length and limitations: 40 single-byte characters.

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Field	Description
`Country`	`ebl:CountryCodeType` *(Required)* Country code. Character limit: Two single-byte characters.
`PostalCode`	`xs:string` *(Required)* U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
Phone	`xs:string` *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

UpdateRecurringPaymentsProfile Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

UpdateRecurringPaymentsProfile Response Fields

Field	Description
`ProfileID`	`xs:string` Recurring payments profile ID returned in the `CreateRecurringPaymentsProfile` response. An error is returned if the profile specified in the `BillOutstandingAmount` request has a status of canceled or expired.

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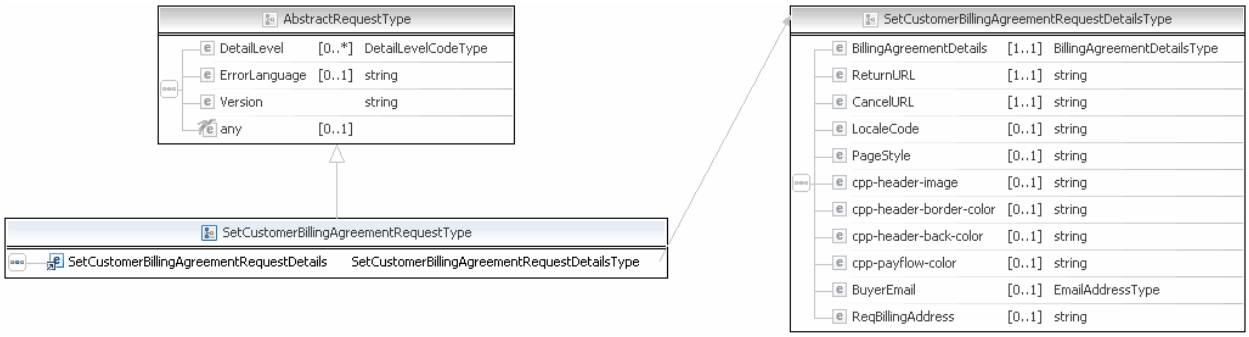
SetCustomerBillingAgreement API Operation

Initiates the creation of a billing agreement.

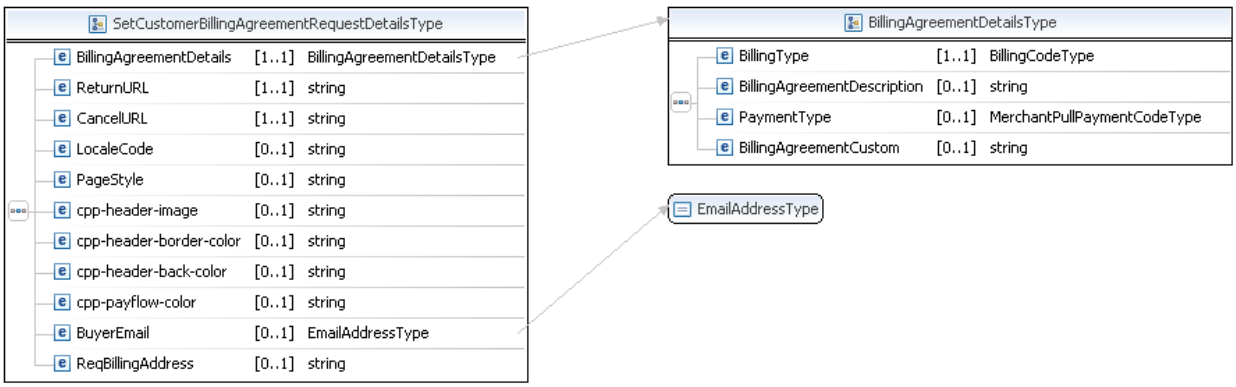
NOTE: If you are using Express Checkout with version 54.0 or later of the API, do not use the `SetCustomerBillingAgreement` API operation to set up a billing agreement. Use the `SetExpressCheckout` API operation instead.

- "SetCustomerBillingAgreement Request Message" on page 211
- "SetCustomerBillingAgreement Response Message" on page 214

SetCustomerBillingAgreement Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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SetCustomerBillingAgreement Request Fields

Field	Description
`BillingAgreement Details`	`ns:BillingAgreementDetailsType` *(Required)*
`ReturnURL`	`xs:string` *(Required)* URL to which the customer's browser is returned after choosing to pay with PayPal. **NOTE:** PayPal recommends that the value be the final review page on which the customer confirms the billing agreement. Character length and limitations: no limit.
`CancelURL`	`xs:string` *(Required)* URL to which the customer is returned if he does not approve the use of PayPal to pay you. **NOTE:** PayPal recommends that the value be the original page on which the customer chose to pay with PayPal or establish a billing agreement. Character length and limitations: no limit.
`LocaleCode`	`xs:string` *(Optional)* Locale of pages displayed by PayPal during checkout. The following two-character country codes are supported by PayPal: • AU - Australia • AT - Austria • BE - Belgium • CA - Canada • CH - Switzerland • CN - China • DE - Germany • ES - Spain • GB - United Kingdom • FR - France • IT - Italy • NL - Netherlands • PL - Poland • US - United States Any other value will default to US. Character length and limitations: Any two-character country code.
`PageStyle`	`xs:string` *(Optional)* Sets the Custom Payment Page Style for payment pages associated with this button/link. This value corresponds to the HTML variable `page_style` for customizing payment pages. The value is the same as the Page Style Name you chose when adding or editing the page style from the `Profile` subtab of the My Account tab of your PayPal account. Character length and limitations: 30 single-byte alphabetic characters.

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Field	Description
cpp-header-image	xs:string *(Optional)* A URL for the image you want to appear at the top left of the payment page. The image has a maximum size of 750 pixels wide by 90 pixels high. PayPal recommends that you provide an image that is stored on a secure (https) server. Character length and limitations: 127 single-byte alphanumeric characters.
cpp-header-border	xs:string *(Optional)* Sets the border color around the header of the payment page. The border is a 2-pixel perimeter around the header space, which is 750 pixels wide by 90 pixels high. Character length and limitations: Six character HTML hexadecimal color code in ASCII.
cpp-header-back-color	xs:string *(Optional)* Sets the background color for the header of the payment page. By default, the color is white. Character length and limitation: Six character HTML hexadecimal color code in ASCII.
cpp-payflow-color	xs:string *(Optional)* Sets the background color for the payment page. Character length and limitation: Six character HTML hexadecimal color code in ASCII.
BuyerEmail	ns:EmailAddressType *(Optional)* Email address of the buyer as entered during checkout. PayPal uses this value to pre-fill the PayPal membership sign-up portion of the PayPal login page. Character length and limit: 127 single-byte alphanumeric characters.

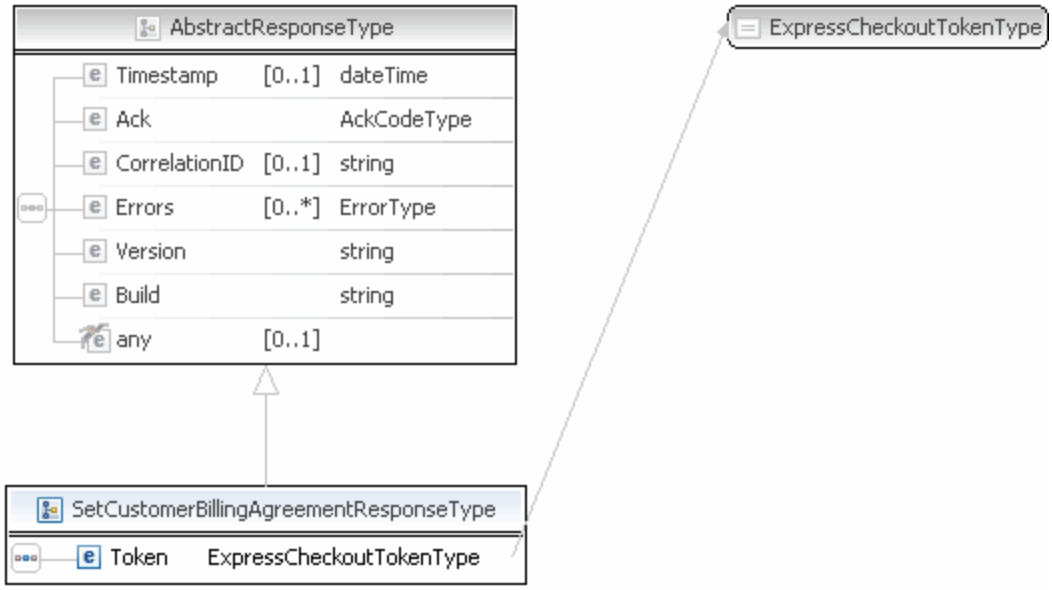
BillingAgreementDetails Fields

Field	Description
BillingType	ns:BillingCodeType *(Required)* Type of billing agreement. For recurring payments, this field must be set to RecurringPayments. In this case, you can specify up to ten billing agreements. Other defined values are not valid.
BillingAgreement Description	xs:string Description of goods or services associated with the billing agreement, which is required for each recurring payment billing agreement. PayPal recommends that the description contain a brief summary of the billing agreement terms and conditions. For example, customer will be billed at “9.99 per month for 2 years”. Character length and limitations: 127 single-byte alphanumeric bytes.

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Field	Description
`PaymentType`	`ns:MerchantPullPaymentCodeType` *(Optional)* Specifies type of PayPal payment you require for the billing agreement. • `Any` • `InstantOnly` **NOTE:** For recurring payments, this field is ignored.
`BillingAgreement Custom`	`xs:string` *(Optional)* Custom annotation field for your own use. **NOTE:** For recurring payments, this field is ignored. Character length and limitations: 256 single-byte alphanumeric bytes.

SetCustomerBillingAgreement Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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SetCustomerBillingAgreement Response Fields

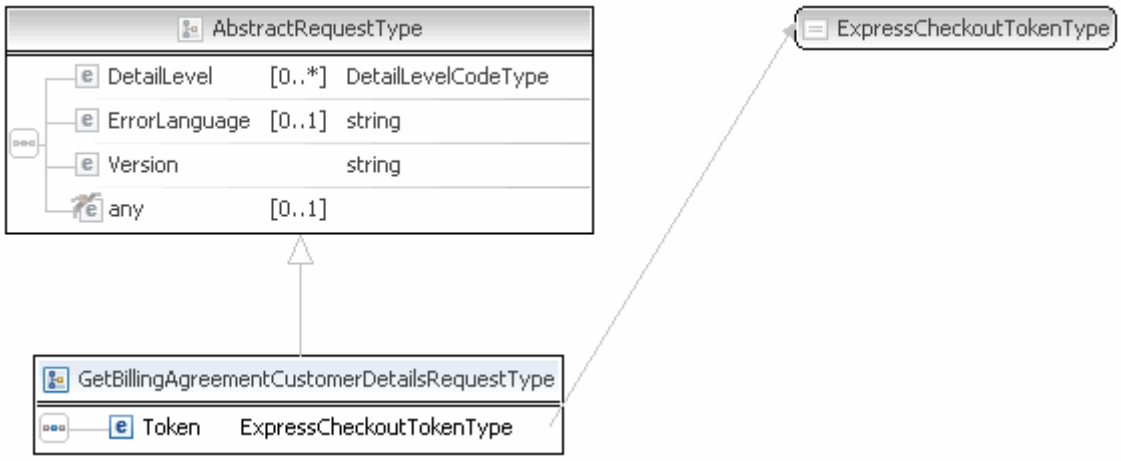
Field	Description
Token	`xs:string` A unique time-stamped token, which uniquely identifies this transaction for subsequent API calls. **NOTE:** The token expires after three hours. Character length and limitations: 20 single-byte characters.

GetBillingAgreementCustomerDetails API Operation

Obtain information about a billing agreement's PayPal account holder.

- "GetBillingAgreementCustomerDetails Request Message" on page 215
- "GetBillingAgreementCustomerDetails Response Message" on page 216

GetBillingAgreementCustomerDetails Request Message



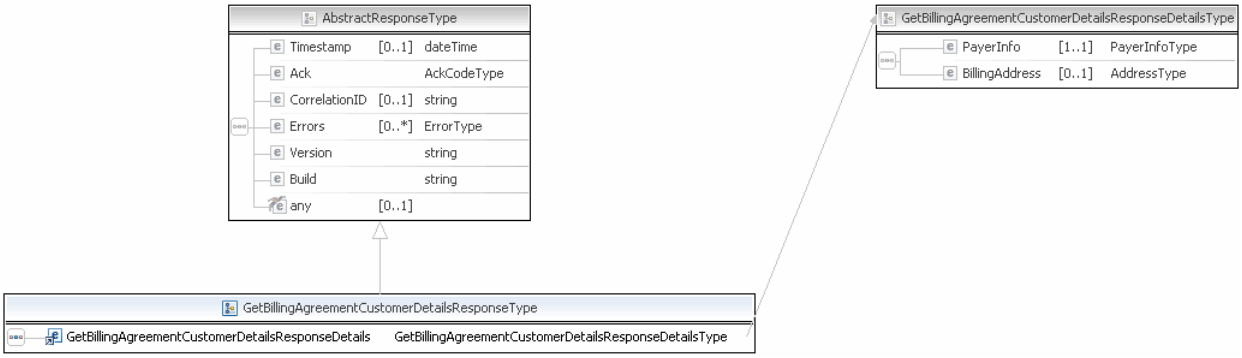
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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GetBillingAgreementCustomerDetails Request Fields

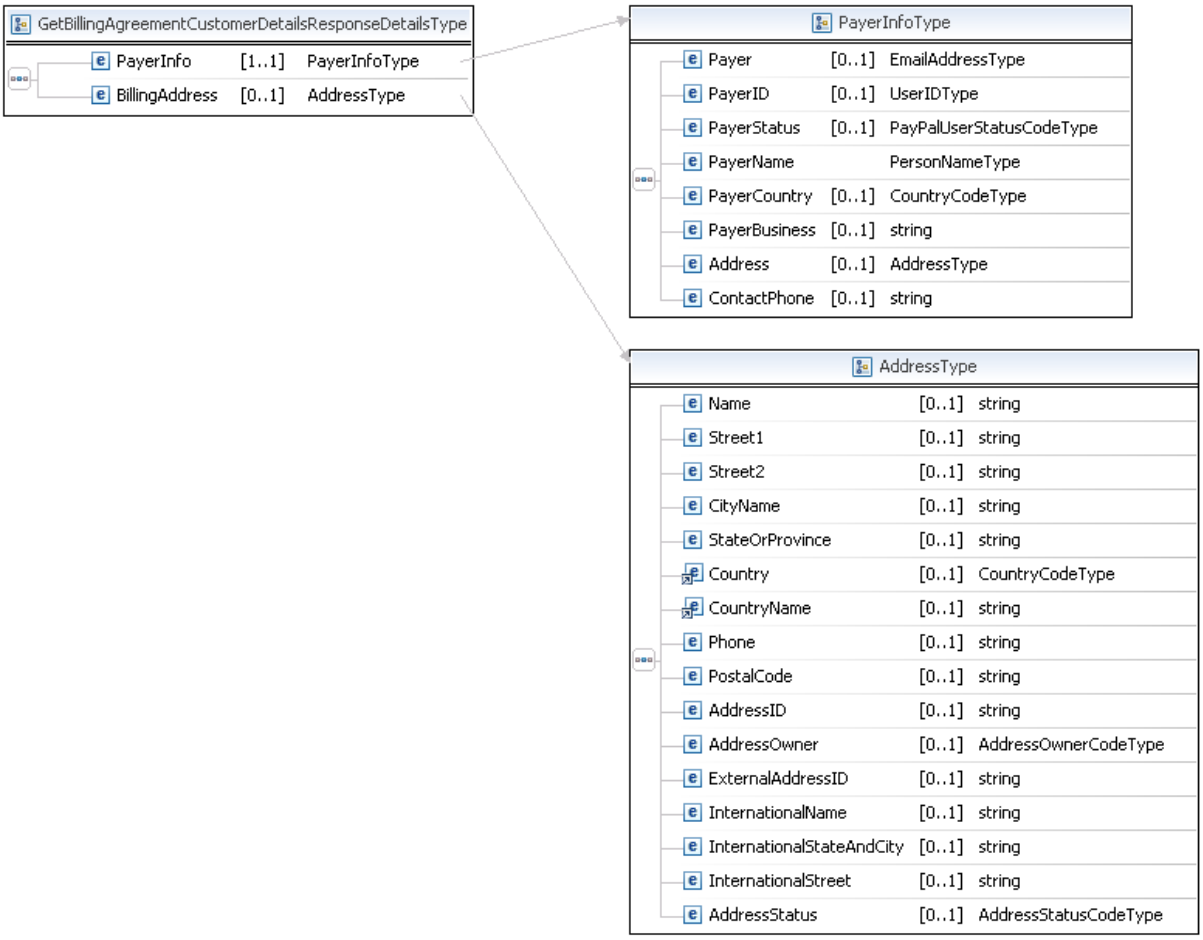
Field	Description
Token	`xs:string` *(Required)* The time-stamped token returned in the `SetCustomerBillingAgreement` response. **NOTE:** The token expires after three hours. Character length and limitations: 20 single-byte characters.

GetBillingAgreementCustomerDetails Response Message



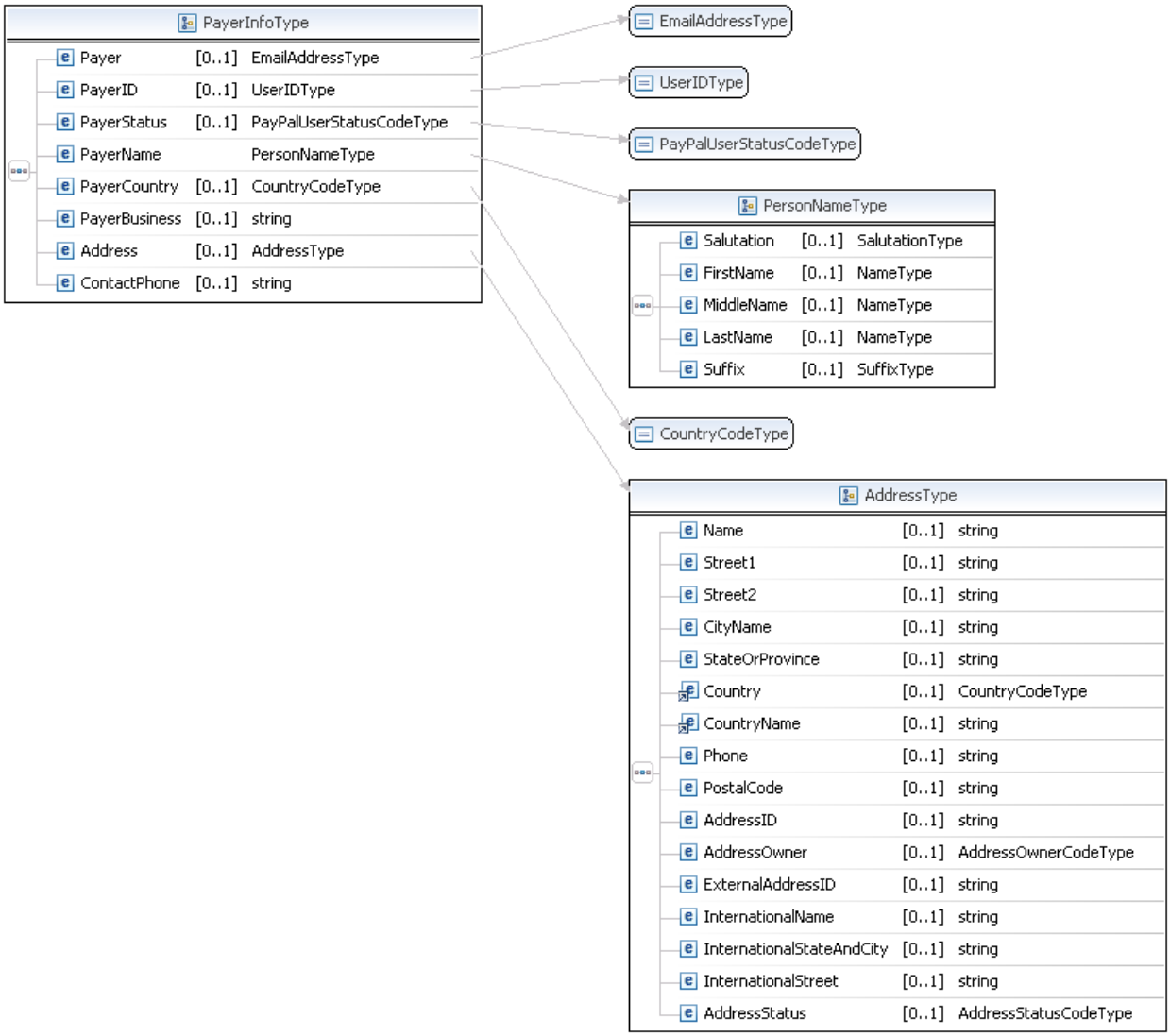
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

GetBillingAgreementCustomerDetails Response Fields

Field	Description
`PayerInfo`	`ns:PayerInfoType`

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PayerInfoType Fields

Field	Description
Payer	ebl:EmailAddressType Email address of payer. Character length and limitations: 127 single-byte characters.
PayerID	ebl:UserIDType Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.
PayerStatus	ebl:PayPalUserStatusCodeType Status of payer. Valid values are: • verified • unverified Character length and limitations: 10 single-byte alphabetic characters.
PayerName	ebl:PersonNameType First and last name of payer.
PayerCountry	ebl:CountryCodeType Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters.
PayerBusiness	xs:string Payer's business name. Character length and limitations: 127 single-byte characters.
Address	ns:AddressType Payer's shipping address information.

PayerNameType Fields

Field	Description
Salutation	xs:string Payer's salutation. Character length and limitations: 20 single-byte characters.
FirstName	ebl:PersonNameType Payer's first name. Character length and limitations: 25 single-byte characters.
MiddleName	ebl:NameUser Payer's middle name. Character length and limitations: 25 single-byte characters.

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Field	Description
`LastName`	`ebl:NameType` Payer's last name. Character length and limitations: 25 single-byte characters.
`Suffix`	`ebl:SuffixType` Payer's suffix. Character length and limitations: 12 single-byte characters.

AddressType Fields

Field	Description
`AddressStatus`	`ebl:AddressStatusTypeCode` Status of street address on file with PayPal. Valid values are: • `none` • `Confirmed` • `Unconfirmed`
`Name`	`xs:string` Person's name associated with this address. Character length and limitations: 32 single-byte characters.
`Street1`	`xs:string` First street address. Character length and limitations: 100 single-byte characters.
`Street2`	`xs:string` Second street address. Character length and limitations: 100 single-byte characters.
`CityName`	`xs:string` Name of city. Character length and limitations: 40 single-byte characters.
`StateOrProvince`	`xs:string` State or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
`PostalCode`	`xs:string` U.S. zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
`Country`	`ebl:CountryCode` Country code. Character limit: Two single-byte characters.

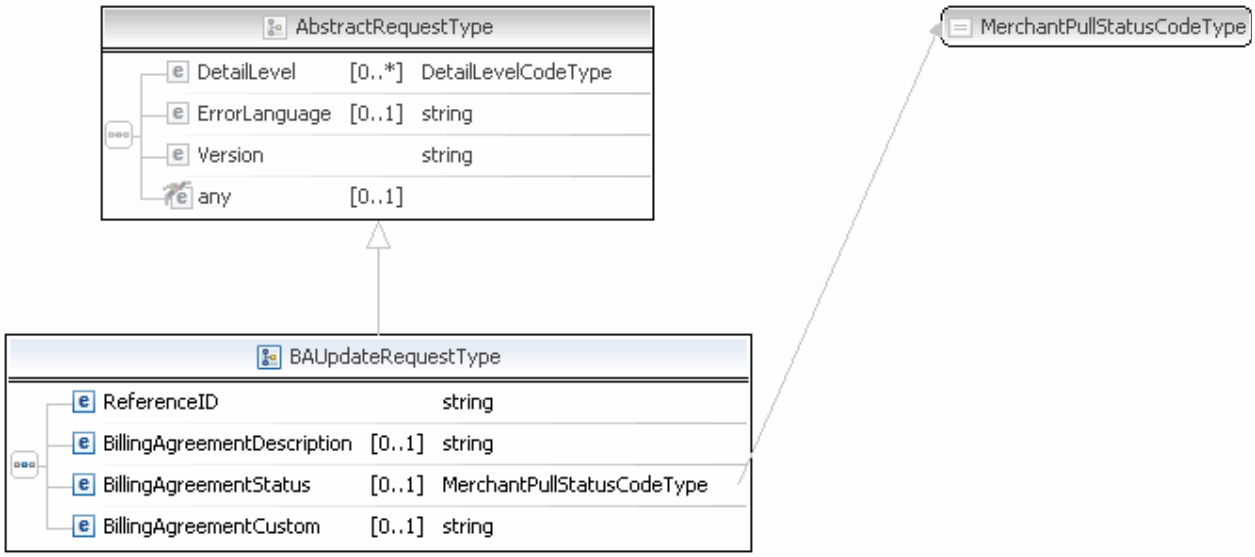
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BAUpdate API Operation

Update or delete a billing agreement.

- "BAUpdate Request Message" on page 221
- "BAUpdate Response Message" on page 222

BAUpdate Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

BAUpdate Request Fields

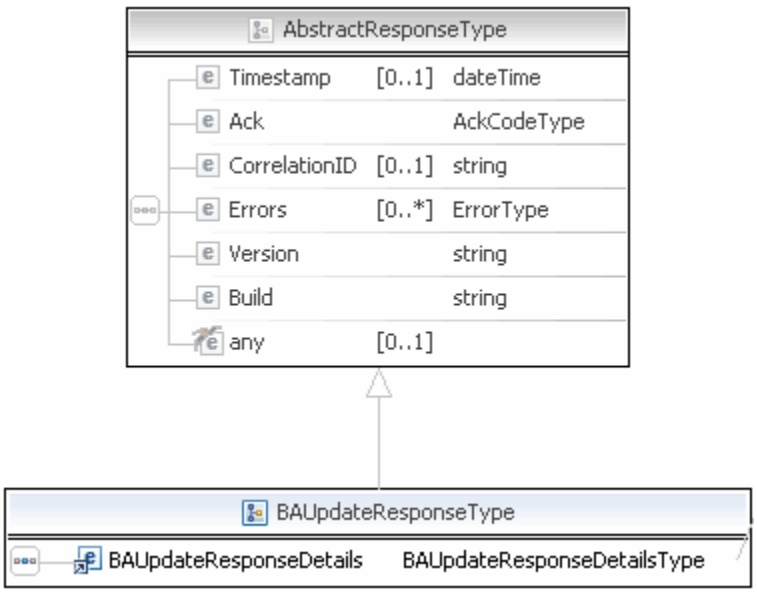
Field	Description
`ReferenceID`	`xs:string` *(Required)* An ID, such as a billing agreement ID or a reference transaction ID that is associated with a billing agreement.
`BillingAgreementStatus`	`ebl:MerchantPullStatusCodeType` *(Optional)* Type of billing agreement. The current status of the billing agreement, which is one of the following values: • `Active` - the billing agreement is currently active • `Canceled` - the billing agreement has been cancelled **NOTE:** If you do not pass a billing agreement status value, the `BAUpdate` response returns the buyer's latest billing address.

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Field	Description
`BillingAgreement Description`	`xs:string` *(Optional)* Description of goods or services associated with the billing agreement, which is required for each recurring payment billing agreement. PayPal recommends that the description contain a brief summary of the billing agreement terms and conditions. For example, customer will be billed at “9.99 per month for 2 years”. Character length and limitations: 127 single-byte alphanumeric bytes.
`BillingAgreement Custom`	`xs:string` *(Optional)* Custom annotation field for your own use. **NOTE:** For recurring payments, this field is ignored. Character length and limitations: 256 single-byte alphanumeric bytes.

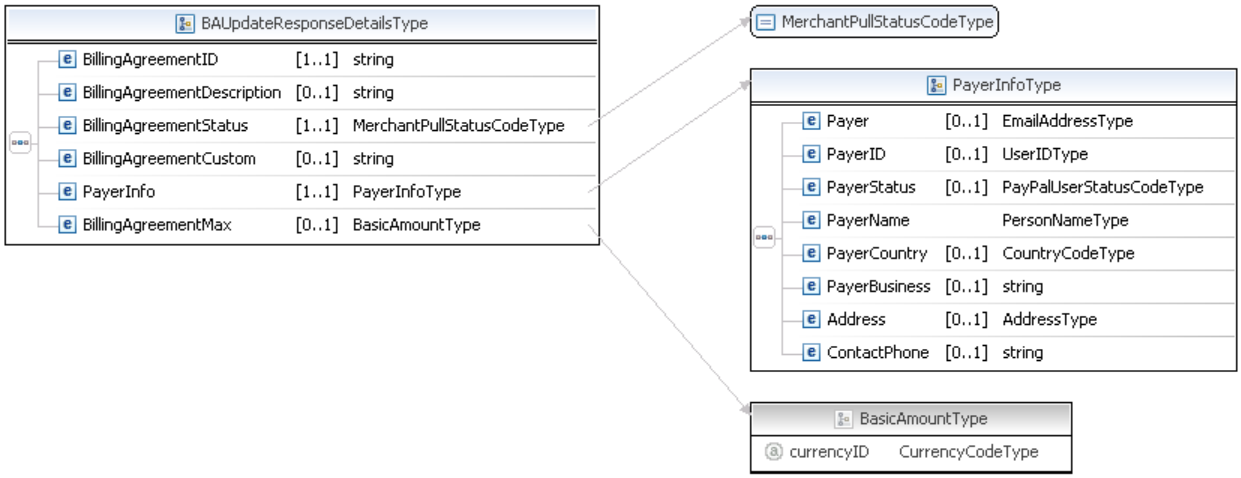
BAUpdate Response Message

NOTE: Not all fields show are available for use. Only use fields described in the documentation.



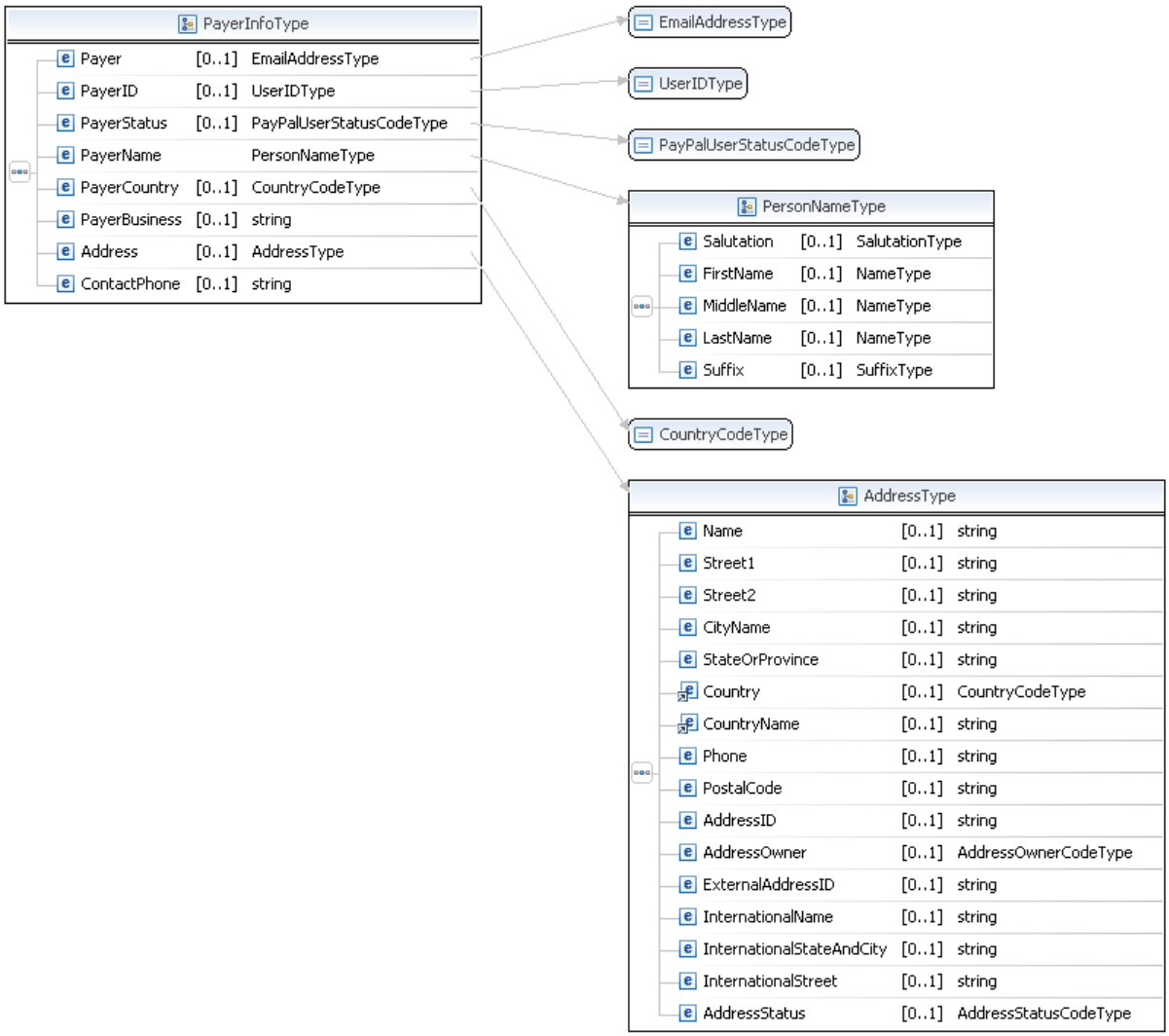
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

BAUpdate Response Fields

Field	Description
`BillingType`	`ns:BillingCodeType` Type of billing agreement.
`BillingAgreement Description`	`xs:string` Description of goods or services associated with the billing agreement, which is required for each recurring payment billing agreement. Character length and limitations: 127 single-byte alphanumeric bytes.

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Field	Description
BillingAgreement Custom	xs:string Custom annotation field for your own use. Character length and limitations: 256 single-byte alphanumeric bytes.
BillingAgreementStatus	ebl:MerchantPullStatusCodeType *(Optional)* Type of billing agreement. The current status of the billing agreement, which is one of the following values: • Active - the billing agreement is currently active • Canceled - the billing agreement has been cancelled
BillingAgreementMax	cc:BasicAmountType Maximum amount for this billing agreement. **NOTE:** This field only has a value if the customer signed up for PayPal using Preapproved Payments; it is included for backwards compatibility with legacy systems.
PayerInfo	ns:PayerInfoType

PayerInfoType Fields

Field	Description
Payer	ebl:EmailAddressType Email address of payer. Character length and limitations: 127 single-byte characters.
PayerID	ebl:UserIDType Unique PayPal customer account identification number. Character length and limitations:13 single-byte alphanumeric characters.
PayerStatus	ebl:PayPalUserStatusCodeType Status of payer. Valid values are: • verified • unverified Character length and limitations: 10 single-byte alphabetic characters.
PayerName	ebl:PersonNameType First and last name of payer.
PayerCountry	ebl:CountryCodeType Payer's country of residence in the form of ISO standard 3166 two-character country codes. Character length and limitations: Two single-byte characters.
PayerBusiness	xs:string Payer's business name. Character length and limitations: 127 single-byte characters.

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Field	Description
Address	ns:AddressType Payer's shipping address information.

PayerNameType Fields

Field	Description
Salutation	xs:string Payer's salutation. Character length and limitations: 20 single-byte characters.
FirstName	ebl:PersonNameType Payer's first name. Character length and limitations: 25 single-byte characters.
MiddleName	ebl:NameUser Payer's middle name. Character length and limitations: 25 single-byte characters.
LastName	ebl:NameType Payer's last name. Character length and limitations: 25 single-byte characters.
Suffix	ebl:SuffixType Payer's suffix. Character length and limitations: 12 single-byte characters.

AddressType Fields

Field	Description
Name	xs:string Billing name associated with this billing address. Character length and limitations: 32 single-byte characters.
Street1	xs:string First billing street address. Character length and limitations: 100 single-byte characters.
Street2	xs:string Second billing street address. Character length and limitations: 100 single-byte characters.
CityName	xs:string Name of billing city. Character length and limitations: 40 single-byte characters.

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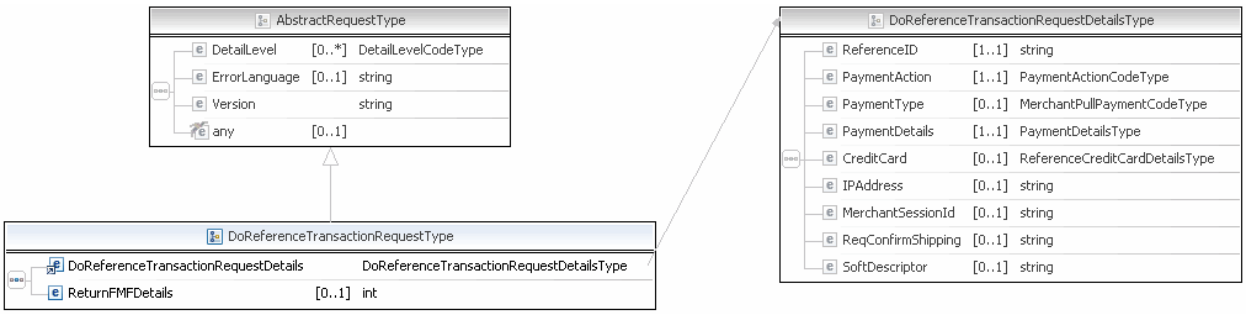
Field	Description
StateOrProvince	xs:string Billing state or province. Character length and limitations: 40 single-byte characters. Required for U.S. addresses only.
PostalCode	xs:string U.S. billing zip code or other country-specific postal code. Character length and limitations: 20 single-byte characters.
Country	ebl:CountryCode Billing country code. Character limit: Two single-byte characters.

DoReferenceTransaction API Operation

Process a payment from a buyer's account, which is identified by a previous transaction.

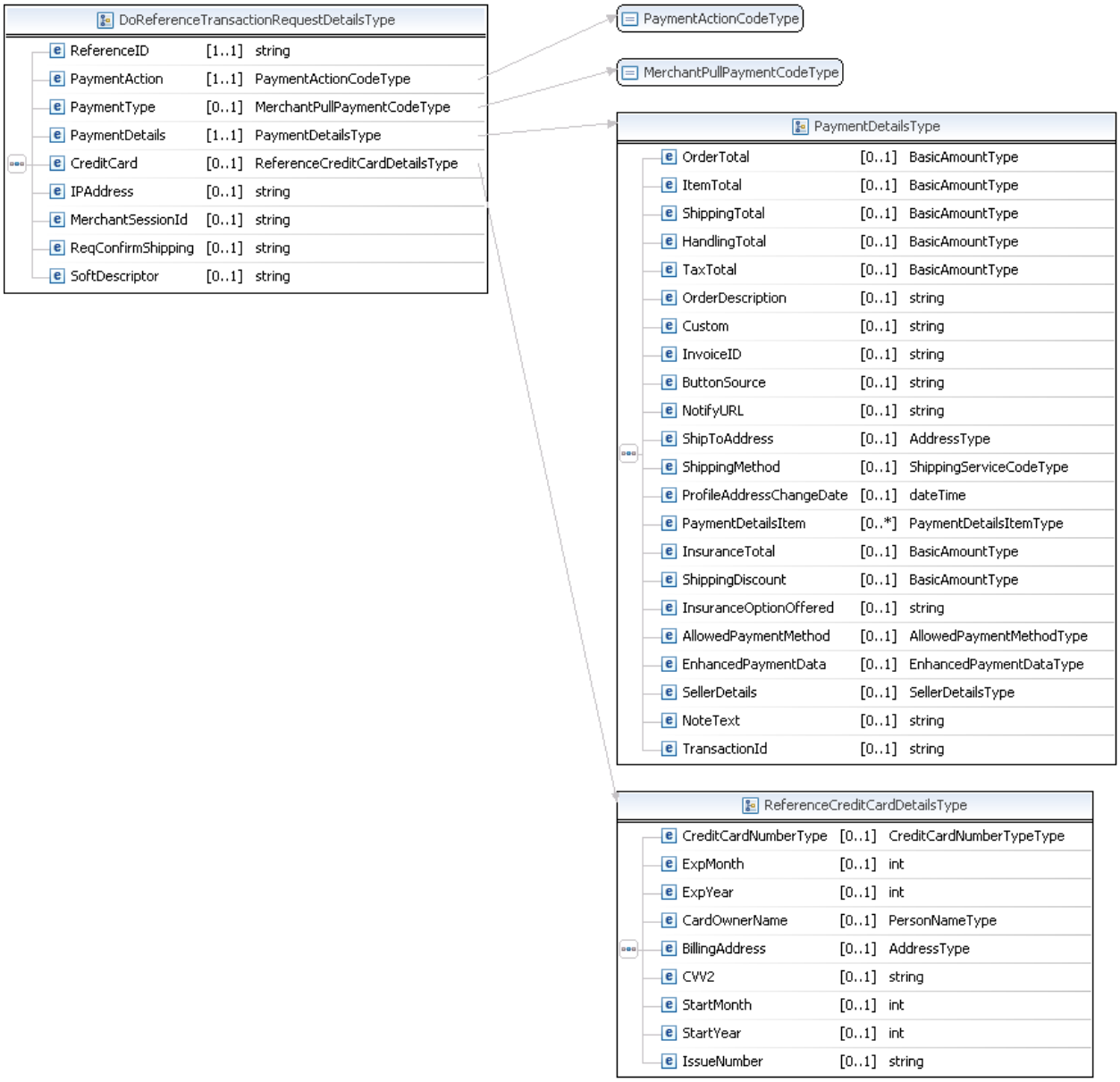
- "DoReferenceTransaction Request Message" on page 227
- "DoReferenceTransaction Response Message" on page 239

DoReferenceTransaction Request Message



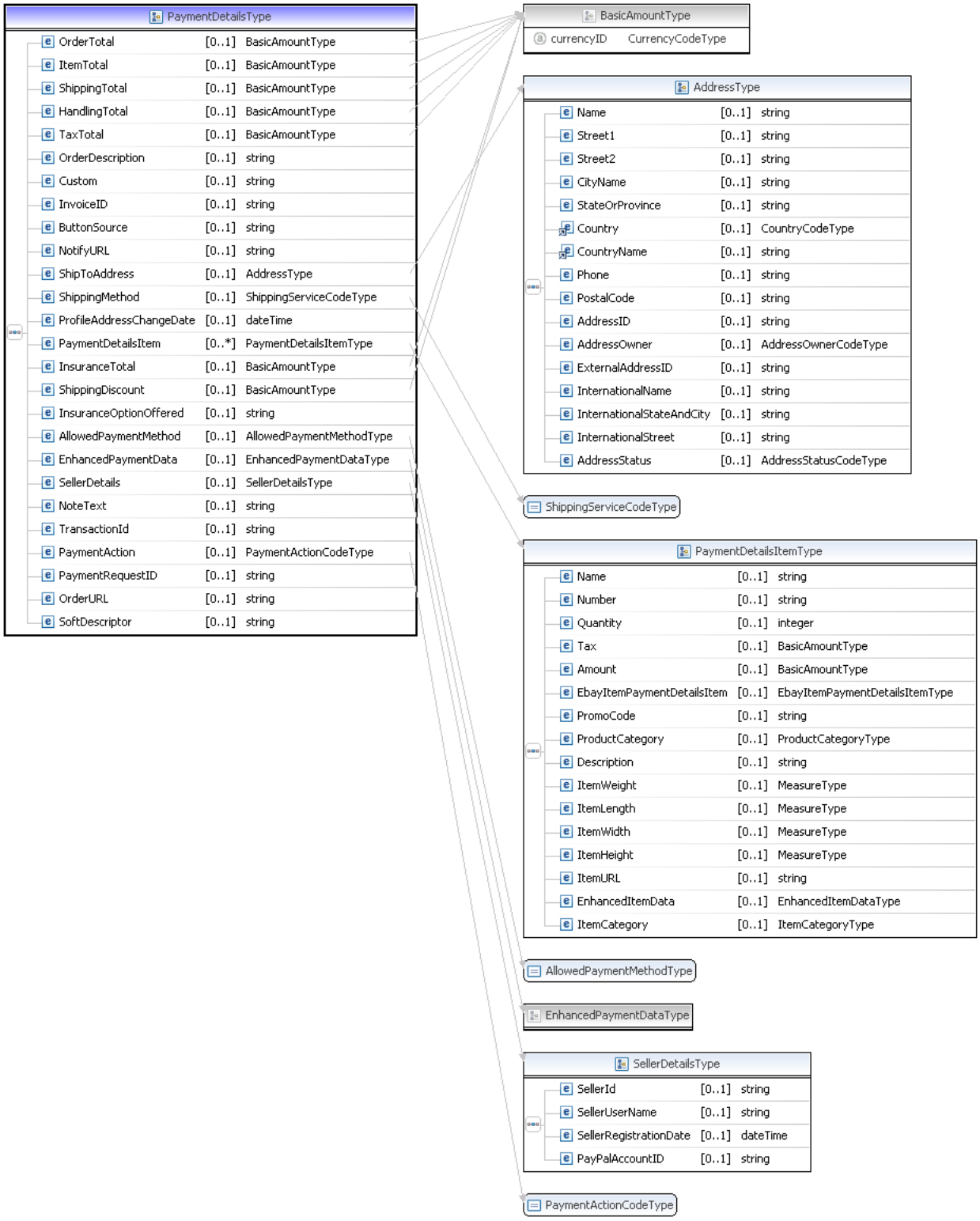
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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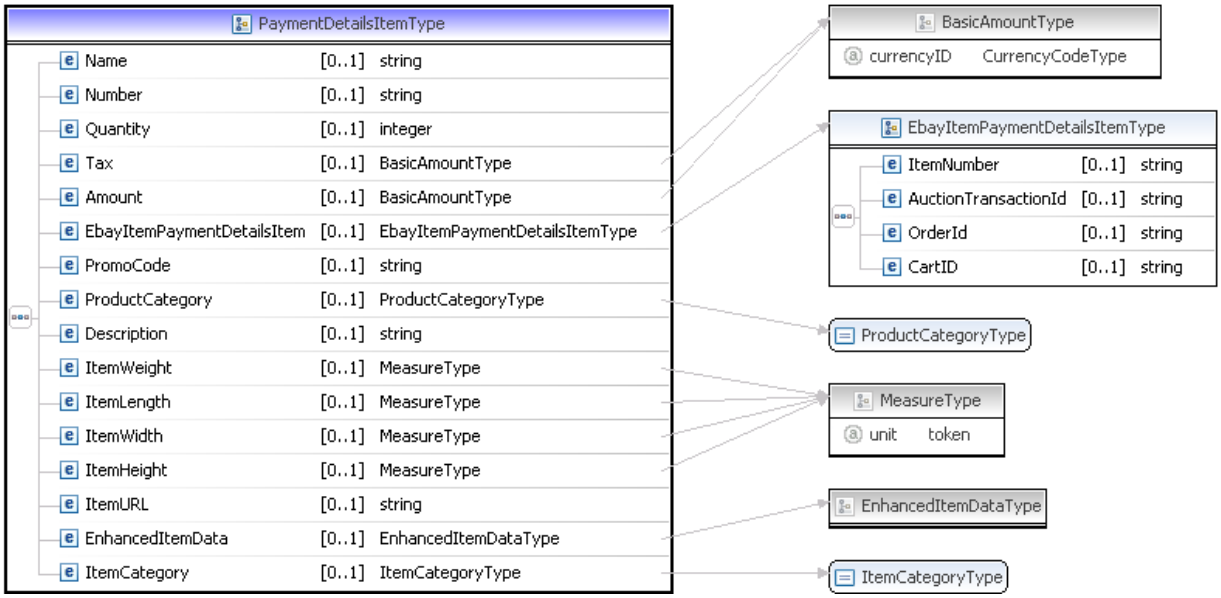
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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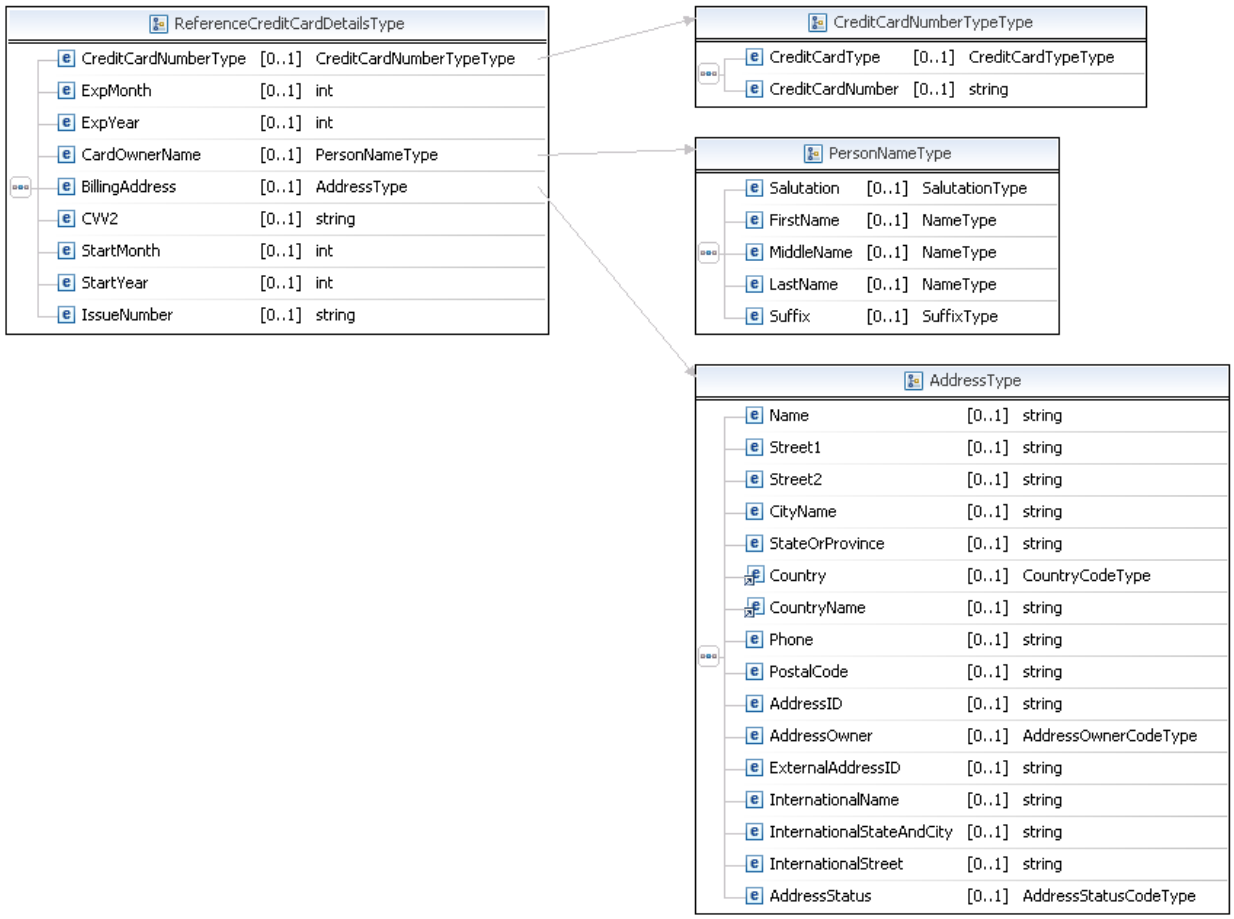


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoReferenceTransaction Request Fields

Field	Description
`ReferenceID`	`xs:string` *(Required)* A transaction ID from a previous purchase, such as a credit card charge using the `DoDirectPayment` API, or a billing agreement ID.
`PaymentAction`	`xs:string` *(Optional)* How you want to obtain payment: • `Authorization` indicates that this payment is a basic authorization subject to settlement with PayPal `Authorization & Capture`. • `Sale` indicates that this is a final sale for which you are requesting payment.
`PaymentDetails`	`ebl:PaymentDetailsType` *(Required)* Information about the payment.
`MerchantSessionId`	`xs:string` *(Optional)* Your customer session identification token. **NOTE:** PayPal records this optional session identification token as an additional means to detect possible fraud. Character length and limitations: 64 single-byte numeric characters.
`ReturnFMFDetails`	`xs:boolean` *(Optional)* Flag to indicate whether you want the results returned by Fraud Management Filters. By default, you do not receive this information. • 0 - do not receive FMF details (default) • 1 - receive FMF details

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Field	Description
SoftDescriptor	xs:string *(Optional)* The soft descriptor is a per transaction description of the payment that is passed to the consumer's credit card statement. If a value for the soft descriptor field is provided, the full descriptor displayed on the customer's statement has the following format: <PP * | PAYPAL *><Merchant descriptor as set in the Payment Receiving Preferences><1 space><soft descriptor> The soft descriptor can contain only the following characters: • Alphanumeric characters • - (dash) • * (asterisk) • . (period) • {space} If you use any other characters (such as ","), an error code is returned.The soft descriptor does not include the phone number, which can be toggled between the merchant's customer service number and PayPal's customer service number.The maximum length of the total soft descriptor is 22 characters. Of this, either 4 or 8 characters are used by the PayPal prefix shown in the data format. Thus, the maximum length of the soft descriptor passed in the API request is: 22 - len(<PP * | PAYPAL *>) - len(<Descriptor set in Payment Receiving Preferences> + 1) For example, assume the following conditions: • The PayPal prefix toggle is set to PAYPAL * in PayPal's admin tools. • The merchant descriptor set in the Payment Receiving Preferences is set to EBAY. • The soft descriptor is passed in as JanesFlowerGifts LLC The resulting descriptor string on the credit card would be: PAYPAL *EBAY JanesFlow

AddressType (Shipping) Fields

Field	Description
Name	xs:string Person's name associated with this shipping address. Required if using a shipping address. Character length and limitations: 32 single-byte characters.
Street1	xs:string First street address. Required if using a shipping address. Character length and limitations: 100 single-byte characters.
Street2	xs:string *(Optional)* Second street address. Character length and limitations: 100 single-byte characters.

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Field	Description
CityName	xs:string Name of city. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
StateOrProvince	xs:string State or province. Required if using a shipping address. Character length and limitations: 40 single-byte characters.
PostalCode	xs:string U.S. zip code or other country-specific postal code. Required if using a U.S. shipping address; may be required for other countries. Character length and limitations: 20 single-byte characters.
Country	ebl:CountryCodeType Country code. Required if using a shipping address. Character limit: 2 single-byte characters.
Phone	xs:string *(Optional)* Phone number. Character length and limit: 20 single-byte characters.

PaymentDetailsType Fields

Field	Description
OrderTotal	ebl:BasicAmountType *(Required)* The total cost of the transaction to the customer. If shipping cost and tax charges are known, include them in this value; if not, this value should be the current sub-total of the order. If the transaction includes one or more one-time purchases, this field must be equal to the sum of the purchases. Set this field to 0 if the transaction does not include a one-time purchase; for example, when you set up a billing agreement for a recurring payment that is not immediately charged. Purchase-specific fields will be ignored. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
ItemTotal	ebl:BasicAmountType *(Optional)* Sum of cost of all items in this order. Limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Must have two decimal places, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.

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Field	Description
`ShippingTotal`	`ebl:BasicAmountType` *(Optional)* Total shipping costs for this order. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`HandlingTotal`	`ebl:BasicAmountType` *(Optional)* Total handling costs for this order. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`TaxTotal`	`ebl:BasicAmountType` *(Optional)* Sum of tax for all items in this order. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`OrderDescription`	`xs:string` *(Optional)* Description of items the customer is purchasing. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 127 single-byte alphanumeric characters
`Custom`	`xs:string` *(Optional)* A free-form field for your own use. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 256 single-byte alphanumeric characters

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Field	Description
InvoiceID	xs:string *(Optional)* Your own invoice or tracking number. **NOTE:** The value you specify is only available if the transaction includes a purchase; this field is ignored if you set up a billing agreement for a recurring payment that is not immediately charged. Character length and limitations: 127 single-byte alphanumeric characters
ButtonSource	xs:string *(Optional)* An identification code for use by third-party applications to identify transactions. Character length and limitations: 32 single-byte alphanumeric characters
NotifyURL	xs:string *(Optional)* Your URL for receiving Instant Payment Notification (IPN) about this transaction. If you do not specify this value in the request, the notification URL from your Merchant Profile is used, if one exists. **IMPORTANT:** The notify URL only applies to DoExpressCheckoutPayment. This value is ignored when set in SetExpressCheckout or GetExpressCheckoutDetails. Character length and limitations: 2,048 single-byte alphanumeric characters
ShipToAddress	ns:AddressType *(Optional)* Address the order will be shipped to.
PaymentDetailsItem	ebl:PaymentDetailsItemType *(Optional)* Details about each individual item included in the order.

PaymentDetailsItemType Fields

Field	Description
ItemCategory	ns:ItemCategoryType Is one of the following values. Introduced in Version 69.0. • Digital • Physical For digital goods, this field is required and must be set to Digital to get the best rates.
Name	xs:string Item name. This field is required when ItemCategory is passed. Character length and limitations: 127 single-byte characters
Description	xs:string *(Optional)* Item description. Description is available since version 53.0. Character length and limitations: 127 single-byte characters

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Field	Description
`Amount`	`ebl:BasicAmountType` Cost of item. This field is required when `ItemCategory` is passed. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`Number`	`xs:string` *(Optional)* Item number. Character length and limitations: 127 single-byte characters
`Quantity`	`xs:integer` Item quantity. This field is required when `ItemCategory` is passed. Character length and limitations: Any positive integer
`Tax`	`ebl:BasicAmountType` *(Optional)* Item sales tax. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.

EbayItemPaymentDetailsItemType Fields

Field	Description
`ItemNumber`	`xs:string` *(Optional)* Auction item number. Character length: 765 single-byte characters
`AuctionTransactionId`	`xs:string` *(Optional)* Auction transaction identification number. Character length: 255 single-byte characters
`OrderID`	`xs:string` *(Optional)* Auction order identification number. Character length: 64 single-byte characters

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ReferenceCreditCardDetailsType Fields

Field	Description
CreditCardType	ebl:CreditCardType *(Optional)* Type of credit card. Character length and limitations: Up to ten single-byte alphabetic characters. Allowable values: • Visa • MasterCard • Discover • Amex • Maestro: See note. • Solo: See note. For UK, only Maestro, Solo, MasterCard, Discover, and Visa are allowable. For Canada, only MasterCard and Visa are allowable; Interac debit cards are not supported. **NOTE:** If the credit card type is Maestro or Solo, the currencyId must be GBP. In addition, either StartMonth and StartYear or IssueNumber must be specified.
CreditCardNumber	xs:string *(Optional)* Credit card number. Character length and limitations: numeric characters only. No spaces or punctutation. Must conform with modulo and length required by each credit card type.
ExpMonth	xs:int *(Optional)* Credit card expiration month. Character length and limitations: Two single-byte numeric characters, including leading zero.
ExpYear	xs:int *(Optional)* Credit card expiration year. Character length and limitations: Four single-byte numeric characters.
CVV2	xs:string *(Optional)* Card Verification Value, version 2. Character length for Visa, MasterCard, and Discover: exactly three digits. Character length for American Express: exactly four digits.To comply with credit card processing regulations, you must not store this value after a transaction has been completed.
CardOwner	ns:PayerInfoType *(Optional)* Details about the owner of the credit card.
StartMonth	xs:int *(Optional)* Month that Maestro or Solo card was issued. Character length: Two-digit, zero-filled if necessary.

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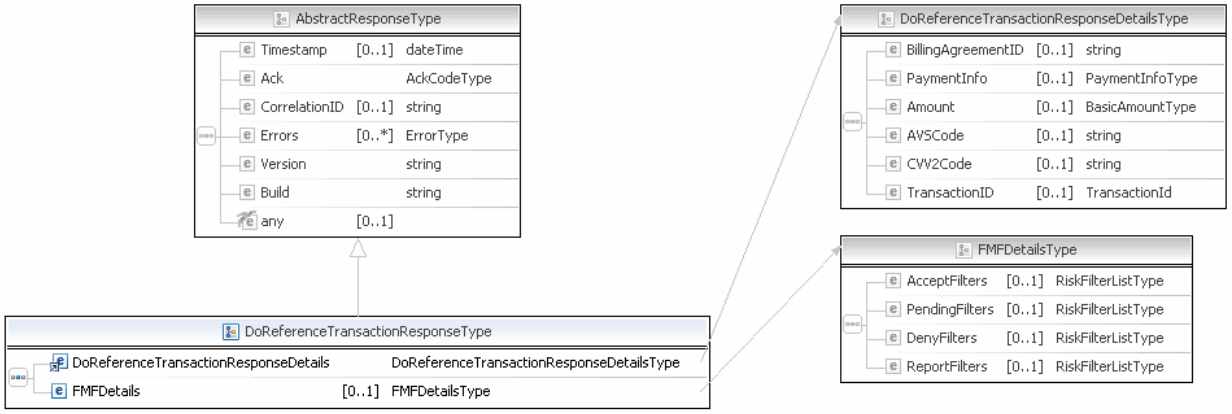
Field	Description
StartYear	xs:int *(Optional)* Year that Maestro or Solo card was issued. Character length: Four digits.
IssueNumber	xs:int *(Optional)* Issue number of Maestro or Solo card.Character length: two numeric digits maximum.

PayerNameType Fields

Field	Description
Salutation	xs:string *(Optional)* Payer's salutation. Character length and limitations: 20 single-byte characters.
FirstName	ebl:PersonNameType *(Optional)* Payer's first name. Character length and limitations: 25 single-byte characters.
MiddleName	ebl:NameUser *(Optional)* Payer's middle name. Character length and limitations: 25 single-byte characters.
LastName	ebl:NameType *(Optional)* Payer's last name Character length and limitations: 25 single-byte characters.
Suffix	ebl:SuffixType *(Optional)* Payer's suffix Character length and limitations: 12 single-byte characters.

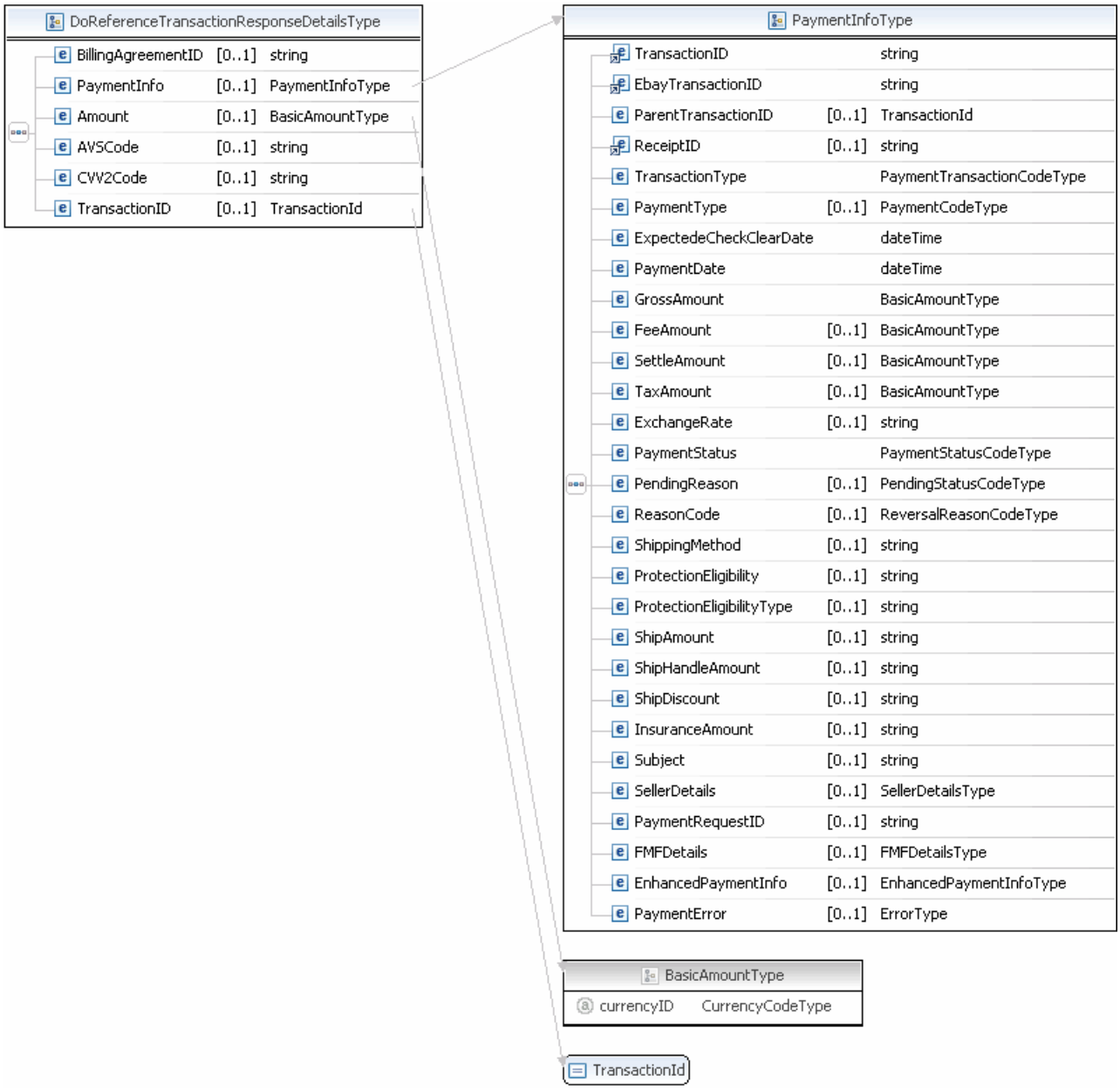
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DoReferenceTransaction Response Message



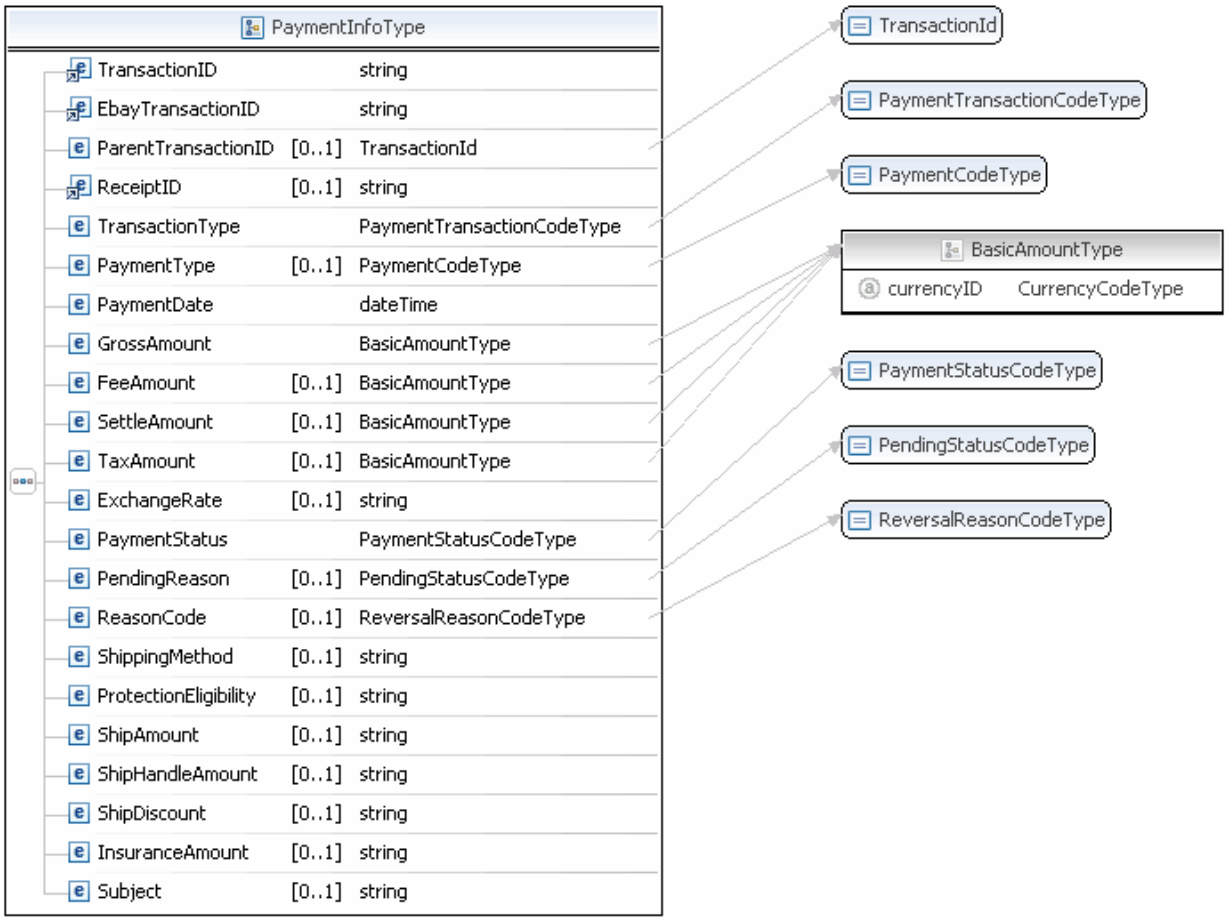
NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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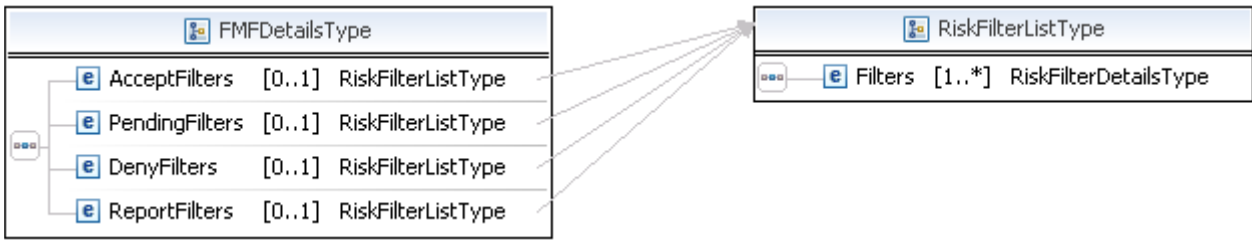


NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

DoReferenceTransaction Response Fields for Express Checkout

Field	Description
`PaymentInfo`	`ns:PaymentInfoType`

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Field	Description
AVSCode	`xs:string` Address Verification System response code. See "AVS Response Codes" on page 349 for possible values. Character limit: One single-byte alphanumeric character
CVV2Code	`xs:string` Result of the CVV2 check by PayPal.
BillingAgreementID	`xs:string` Returned if the value of `ReferenceID` in the request is a billing agreement identification number.
FMFDetails	`ebl:FMFDetailsType` Fraud filter details.

PaymentInfoType Fields

Field	Description
TransactionID	`xs:string` Unique transaction ID of the payment. Character length and limitations: 17 single-byte characters
ParentTransactionID	`xs:string` • Parent or related transaction identification number. This field is populated for the following transaction types: • Reversal. Capture of an authorized transaction. • Reversal. Reauthorization of a transaction. • Capture of an order. The value of `ParentTransactionID` is the original `OrderID`. • Authorization of an order. The value of `ParentTransactionID` is the original `OrderID`. • Capture of an order authorization. • Void of an order. The value of `ParentTransactionID` is the original `OrderID`. Character length and limits: 16 digits in xxxx-xxxx-xxxx-xxxx format
ReceiptID	`xs:string` Receipt identification number Character length and limits: 16 digits in xxxx-xxxx-xxxx-xxxx format
TransactionType	`ns:PaymentTransactionCodeType` The type of transaction Valid values: • `cart` • `express-checkout` Character length and limitations:15 single-byte characters

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Field	Description
PaymentType	ebl:PaymentCodeType Indicates whether the payment is instant or delayed. Character length and limitations: Seven single-byte characters Valid values: • none • echeck • instant
PaymentDate	xs:dateTime Time/date stamp of payment. For example: 2006-08-15T17:23:15Z.
GrossAmount	ebl:BasicAmountType The final amount charged, including any shipping and taxes from your Merchant Profile. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
FeeAmount	ebl:BasicAmountType PayPal fee amount charged for the transactionCharacter length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
SettleAmount	ebl:BasicAmountType Amount deposited in your PayPal account after a currency conversion.
TaxAmount	ebl:BasicAmountType Tax charged on the transaction. Character length and limitations: Does not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator is a period (.), and the optional thousands separator is a comma (,). Equivalent to nine characters maximum for USD.
ExchangeRate	xs:string Exchange rate if a currency conversion occurred. Relevant only if your are billing in their non-primary currency. If the customer chooses to pay with a currency other than the non-primary currency, the conversion occurs in the customer's account.Character length and limitations: a decimal that does not exceed 17 characters, including decimal point

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Field	Description
PaymentStatus	ebl:PaymentStatusCodeType Status of the payment. The status of the payment: • None: No status • Canceled-Reversal: A reversal has been canceled; for example, when you win a dispute and the funds for the reversal have been returned to you. • Completed: The payment has been completed, and the funds have been added successfully to your account balance. • Denied: You denied the payment. This happens only if the payment was previously pending because of possible reasons described for the PendingReason element. • Expired: the authorization period for this payment has been reached. • Failed: The payment has failed. This happens only if the payment was made from your customer's bank account. • In-Progress: The transaction has not terminated, e.g. an authorization may be awaiting completion. • Partially-Refunded: The payment has been partially refunded. • Pending: The payment is pending. See the PendingReason field for more information. • Refunded: You refunded the payment. • Reversed: A payment was reversed due to a chargeback or other type of reversal. The funds have been removed from your account balance and returned to the buyer. The reason for the reversal is specified in the ReasonCode element. • Processed: A payment has been accepted. • Voided: An authorization for this transaction has been voided.

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Field	Description
PendingReason	ebl:PendingStatusCodeType **NOTE:** PendingReason is returned in the response only if PaymentStatus is Pending. The reason the payment is pending: • none: No pending reason. • address: The payment is pending because your customer did not include a confirmed shipping address and your Payment Receiving Preferences is set such that you want to manually accept or deny each of these payments. To change your preference, go to the Preferences section of your Profile. • authorization: The payment is pending because it has been authorized but not settled. You must capture the funds first. • echeck: The payment is pending because it was made by an eCheck that has not yet cleared. • intl: The payment is pending because you hold a non-U.S. account and do not have a withdrawal mechanism. You must manually accept or deny this payment from your Account Overview. • multi-currency: You do not have a balance in the currency sent, and you do not have your Payment Receiving Preferences set to automatically convert and accept this payment. You must manually accept or deny this payment. • order: The payment is pending because it is part of an order that has been authorized but not settled. • paymentreview: The payment is pending while it is being reviewed by PayPal for risk. • unilateral: The payment is pending because it was made to an email address that is not yet registered or confirmed. • verify: The payment is pending because you are not yet verified. You must verify your account before you can accept this payment. • other: The payment is pending for a reason other than those listed above. For more information, contact PayPal customer service.
ReasonCode	ebl:ReasonCodeType The reason for a reversal if TransactionType is reversal: • none: No reason code • chargeback: A reversal has occurred on this transaction due to a chargeback by your customer. • guarantee: A reversal has occurred on this transaction due to your customer triggering a money-back guarantee. • buyer-complaint: A reversal has occurred on this transaction due to a complaint about the transaction from your customer. • refund: A reversal has occurred on this transaction because you have given the customer a refund. • other: A reversal has occurred on this transaction due to a reason not listed above.

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Field	Description
`ProtectionEligibility`	`xs:string` Prior to Version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • `Eligible` – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payments and Item Not Received • `PartiallyEligible` – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • `Ineligible` – Seller is not protected under the Seller Protection Policy
`ProtectionEligibilityType`	`xs:string` Since Version 64.4, the kind of seller protection in force for the transaction, which is one of the following values: • `Eligible` – Seller is protected by PayPal's Seller Protection Policy for both Unauthorized Payment and Item Not Received • `ItemNotReceivedEligible` – Seller is protected by PayPal's Seller Protection Policy for Item Not Received • `UnauthorizedPaymentEligible` – Seller is protected by PayPal's Seller Protection Policy for Unauthorized Payment • `Ineligible` – Seller is not protected under the Seller Protection Policy

FMFDetailsType Fields

Field	Description
`AcceptFilters`	`xs:RiskFilterListType` List of filters that recommend acceptance of the payment.
`DenyFilters`	`xs:RiskFilterListType` List of filters that recommend denial of the payment.
`PendingFilters`	`xs:RiskFilterListType` List of filters that caused the payment to become pending.
`ReportsFilters`	`xs:RiskFilterListType` List of filters that caused the payment to become flagged.

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RiskFilterListType Fields

Field	Description
ID	xs:int Filter ID, which is one of the following values: • 1 = AVS No Match • 2 = AVS Partial Match • 3 = AVS Unavailable/Unsupported • 4 = Card Security Code (CSC) Mismatch • 5 = Maximum Transaction Amount • 6 = Unconfirmed Address • 7 = Country Monitor • 8 = Large Order Number • 9 = Billing/Shipping Address Mismatch • 10 = Risky ZIP Code • 11 = Suspected Freight Forwarder Check • 12 = Total Purchase Price Minimum • 13 = IP Address Velocity • 14 = Risky Email Address Domain Check • 15 = Risky Bank Identification Number (BIN) Check • 16 = Risky IP Address Range • 17 = PayPal Fraud Model
Name	xs:string Filter name.
Description	xs:string Filter description.

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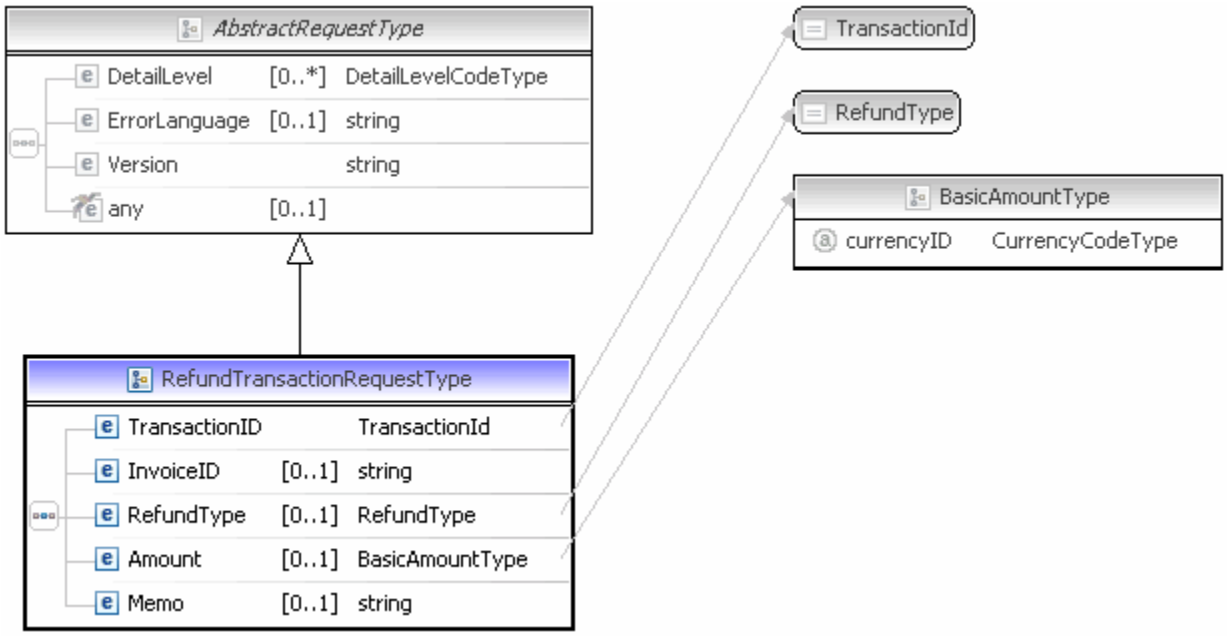
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13 RefundTransaction API Operation

Issue a refund to the PayPal account holder associated with a transaction.

- "RefundTransaction Request Message" on page 249
- "RefundTransaction Response Message" on page 250

RefundTransaction Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

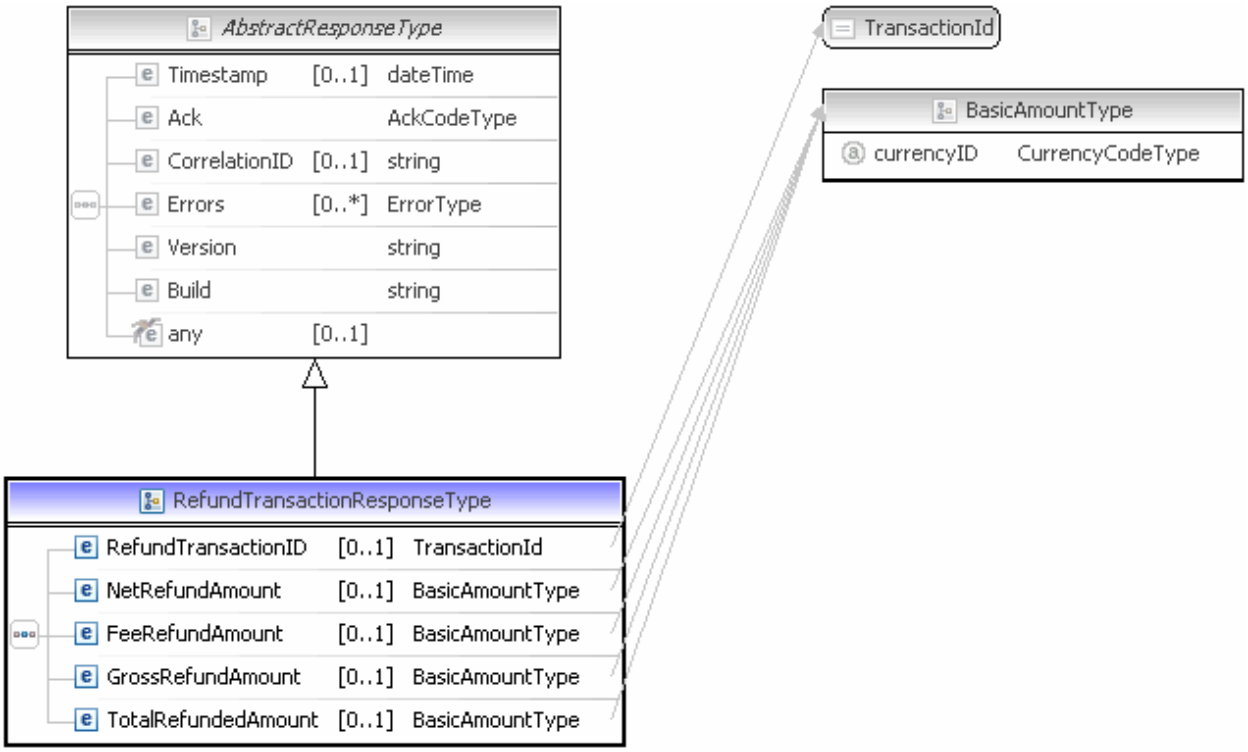
RefundTransaction Request Fields

Field	Description
`TransactionID`	`xs:string` *(Required)* Unique identifier of a transaction. Character length and limitations: 17 single-byte alphanumeric characters.

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Field	Description
`InvoiceID`	`xs:string` *(Optional)* Your own invoice or tracking number. Character length and limitations: 127 single-byte alphanumeric characters
`RefundType`	`ebl:RefundPurposeTypeCodeType` Type of refund you are making: • `Full` - default • `Partial`
`Amount`	`ebl:BasicAmountType` *(Optional)* Refund amount. Amount is required if `RefundType` is `Partial`. **NOTE:** If `RefundType` is `Full`, do not set the `Amount`.
`Memo`	`xs:string` *(Optional)* Custom memo about the refund. Character length and limitations: 255 single-byte alphanumeric characters.

RefundTransaction Response Message



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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

RefundTransaction Response Fields

Field	Description
`RefundTransactionID`	`xs:string` Unique transaction ID of the refund. Character length and limitations:17 single-byte characters.
`FeeRefundAmount`	`ebl:BasicAmountType` Transaction fee refunded to original recipient of payment.
`GrossRefundAmount`	`ebl:BasicAmountType` Amount refunded to original payer.
`NetRefundAmount`	`ebl:BasicAmountType` Amount subtracted from PayPal balance of original recipient of payment to make this refund.
`TotalRefundedAmount`	`ebl:BasicAmountType` Total of all refunds associated with this transaction.

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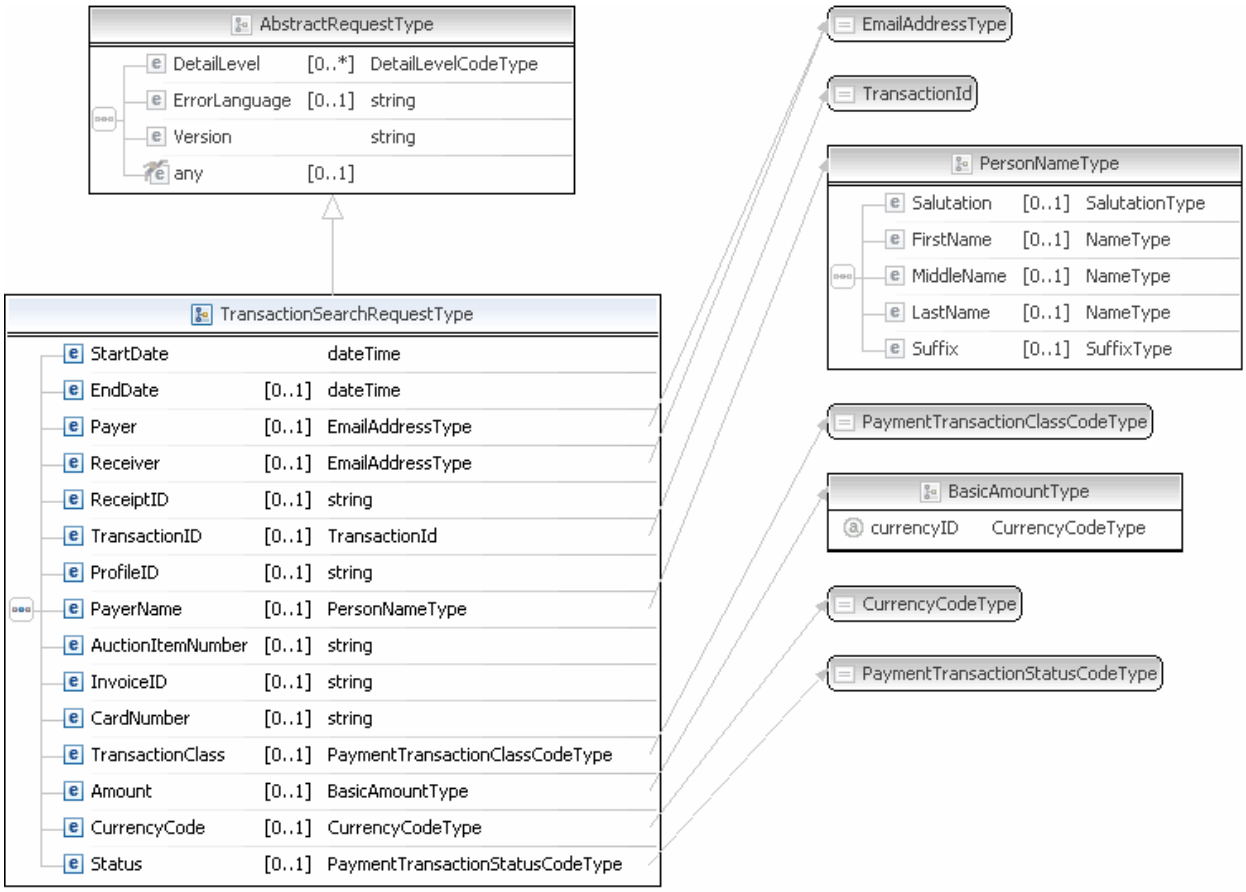
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14 TransactionSearch API Operation

Search transaction history for transactions that meet the specified criteria.

- "TransactionSearch Request Message" on page 253
- "TransactionSearch Response Message" on page 256

TransactionSearch Request Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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TransactionSearch Request Fields

Field	Description
`StartDate`	`xs:dateTime` *(Required)* The earliest transaction date at which to start the search. No wildcards are allowed. The value must be in UTC/GMT format.
`EndDate`	`xs:dateTime` *(Optional)* The latest transaction date to be included in the search.

`Payer`	`xs:string`
	`ebl:EmailAddressType`
	(Optional) Search by the buyer's email address.
	Character length and limitations: 127 single-byte alphanumeric characters.

`Receiver`	`ebl:EmailAddressType` *(Optional)* Search by the receiver's email address. If the merchant account has only one email, this is the primary email. Can also be a non-primary email.
`ReceiptID`	`xs:string` *(Optional)* Search by the PayPal Account Optional receipt ID.
`TransactionID`	`ebl:TransactionID` *(Optional)* Search by the transaction ID. The returned results are from the merchant's transaction records. Character length and limitations: 19 single-byte characters maximum.
`InvoiceID`	`xs:string` *(Optional)* Search by invoice identification key, as set by you for the original transaction. This field searches the records for items sold by the merchant, not the items purchased. **NOTE:** No wildcards are allowed. Character length and limitations: 127 single-byte characters maximum.
`CardNumber`	`xs:string` *(Optional)* Search by credit card number, as set by you for the original transaction. This field searches the records for items sold by the merchant, not the items purchased. **NOTE:** No wildcards are allowed. Character length and limitations: Must be at least 11 and no more than 25 single-byte numeric characters maximum. Special punctuation, such as dashes or spaces, is ignored.
`PayerName`	`ebl:PersonNameType` *(Optional)* Search by the buyer's name:
`AuctionItemNumber`	`xs:string` *(Optional)* Search by auction item number of the purchased goods.

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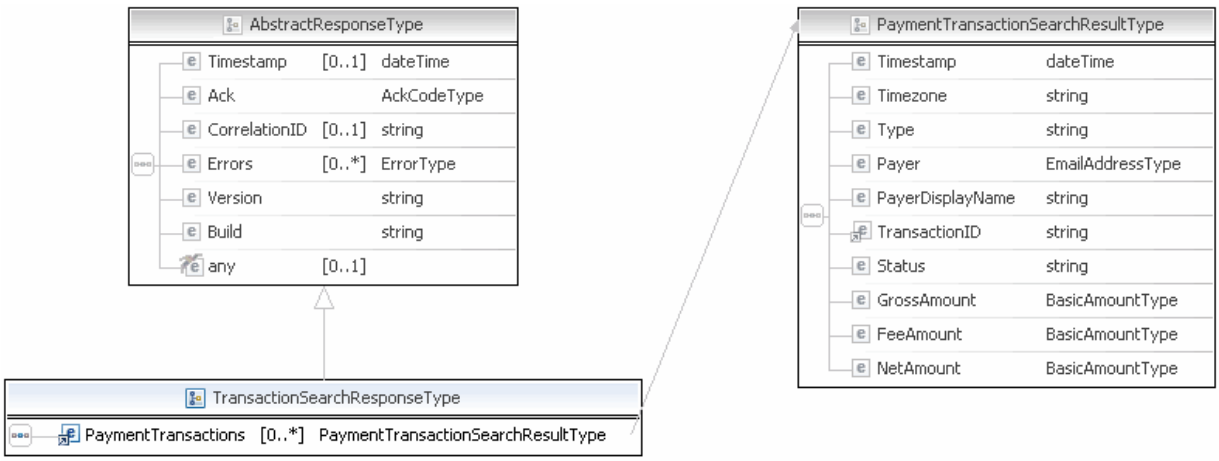
Field	Description
`TransactionClass`	`ePaymentTransactionClassCodeType` *(Optional)* Search by classification of transaction. Some kinds of possible classes of transactions are not searchable with this field. You cannot search for bank transfer withdrawals, for example. • `All`: all transaction classifications • `Sent`: only payments sent • `Received`: only payments received • `MassPay`: only mass payments • `MoneyRequest`: only money requests • `FundsAdded`: only funds added to balance • `FundsWithdrawn`: only funds withdrawn from balance • `Referral`: only transactions involving referrals • `Fee`: only transactions involving fees • `Subscription`: only transactions involving subscriptions • `Dividend`: only transactions involving dividends • `Billpay`: only transactions involving BillPay Transactions • `Refund`: only transactions involving funds • `CurrencyConversions`: only transactions involving currency conversions • `BalanceTransfer`: only transactions involving balance transfers • `Reversal`: only transactions involving BillPay reversals • `Shipping`: only transactions involving UPS shipping fees • `BalanceAffecting`: only transactions that affect the account balance • `ECheck`: only transactions involving eCheck
`Amount`	`ebl:BasicAmountType` *(Optional)* Search by transaction amount. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`CurrencyCode`	`xs:token` *(Optional)* Search by currency code.
`Status`	`ebl:PaymentTransactionStatusCodeType` *(Optional)* Search by transaction status: • `Pending`: The payment is pending. The specific reason the payment is pending is returned by the GetTransactionDetails API `PendingReason` field. • `Processing`: The payment is being processed. • `Success`: The payment has been completed and the funds have been added successfully to your account balance. • `Denied`: You denied the payment. This happens only if the payment was previously pending. • `Reversed`: A payment was reversed due to a chargeback or other type of reversal. The funds have been removed from your account balance and returned to the buyer.

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PayerName Fields

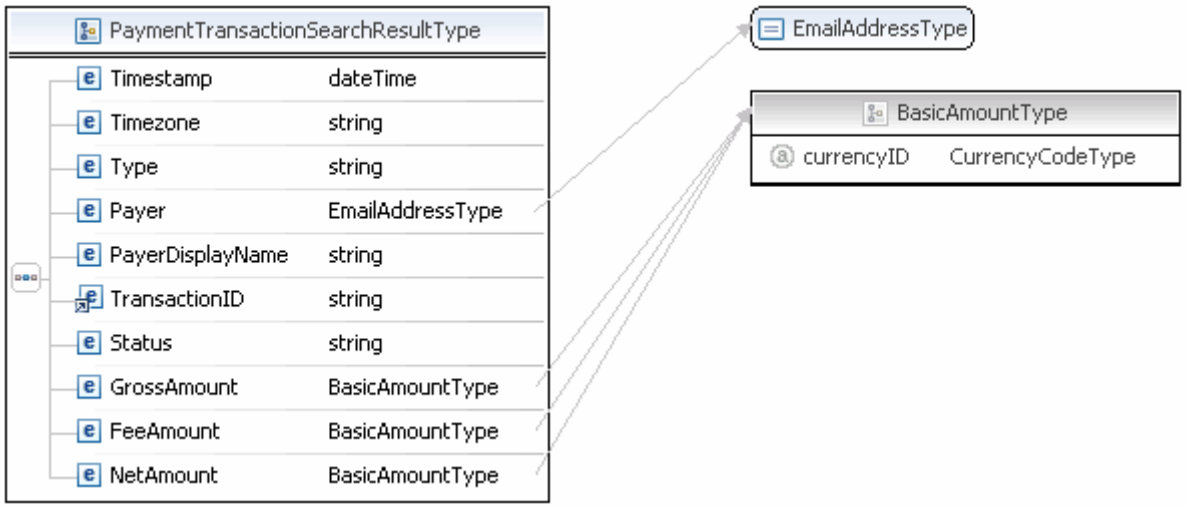
Field	Description
`Salutation`	`xs:string` *(Optional)* Payer's salutation. Character length and limitations: 20 single-byte characters.
`FirstName`	`ebl:PersonNameType` *(Optional)* Payer's first name. Character length and limitations: 25 single-byte characters.
`MiddleName`	`ebl:NameUser` *(Optional)* Payer's middle name. Character length and limitations: 25 single-byte characters.
`LastName`	`ebl:NameType` *(Optional)* Payer's last name Character length and limitations: 25 single-byte characters.
`Suffix`	`ebl:SuffixType` *(Optional)* Payer's suffix Character length and limitations: 12 single-byte characters.

TransactionSearch Response Message



NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

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NOTE: Not all fields shown are available for use. Only use fields described in the documentation.

TransactionSearch Response Fields

Field	Description
`Timestamp`	`xs:dateTime` The date and time (in UTC/GMT format) the transaction occurred.
`Timezone`	`xs:string` The time zone of the transaction.
`Type`	`xs:string` The type of the transaction.
`Payer`	`ebl:EmailAddressType` The email address of either the payer or the payment recipient (the “payee”). If the payment amount is positive, this field is the recipient of the funds. If the payment is negative, this field is the paying customer.
`PayerDisplayName`	`xs:string` Display name of the payer.
`TransactionID`	`xs:string` Seller’s transaction ID.
`Status`	`xs:string` The status of the transaction.
`GrossAmount`	`ebl:BasicAmountType` The total gross amount charged, including any profile shipping cost and taxes.

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Field	Description
`FeeAmount`	`ebl:BasicAmountType` The fee that PayPal charged for the transaction.
`NetAmount`	`ebl:BasicAmountType` The net amount of the transaction.

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A API Error Codes

The PayPal API can return multiple errors for any operation.

- "General API Errors" on page 260
- "Validation Errors" on page 261
- "DirectPayment API Errors" on page 265
- "SetExpressCheckout API Errors" on page 277
- "GetExpressCheckoutDetails API Errors" on page 291
- "DoExpressCheckoutPayment API Errors" on page 293
- "Authorization and Capture API Errors" on page 302
- "GetTransactionDetails API Errors" on page 306
- "TransactionSearch API Errors" on page 306
- "RefundTransaction API Errors" on page 308
- "MassPay API Errors" on page 311
- "Recurring Payments Errors" on page 313
- "SetCustomerBillingAgreement Errors" on page 321
- "GetBillingAgreementCustomerDetails Errors" on page 323
- "CreateBillingAgreement Errors" on page 323
- "UpdateBillingAgreement Errors" on page 325
- "DoReferenceTransaction Errors" on page 325
- "AddressVerify API Errors" on page 332
- "ManagePendingTransactionStatus API Errors" on page 332

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General API Errors

General API Errors

Error Code	Short Message	Long Message	Correcting This Error
10002	Authentication/Authorization Failed	Username/Password is incorrect	This error can be caused by an incorrect API username, an incorrect API password, or an invalid API signature. Make sure that all three of these values are correct. For your security, PayPal does not report exactly which of these three values might be in error.
10002	Authentication/Authorization Failed	You do not have permission to make this API call	
10002	Authentication/Authorization Failed	Account is locked or inactive	
10002	Internal Error	Internal Error	
10002	Authentication/Authorization Failed	Internal Error	
10002	Authentication/Authorization Failed	Account is not verified	
10002	Authentication/Authorization Failed	This call is not defined in the database!	
10002	Authentication/Authorization Failed	Token is not valid	
10002	Restricted account	Account is restricted	Your PayPal merchant account has been restricted. Contact your PayPal account manager for resolution.
10002	Authentication/Authorization Failed	API access is disabled for this account	
10002	Authentication/Authorization Failed	Client certificate is disabled	
10006	Version error	Version is not supported	
10008	Security error	Security header is not valid	
10101	This API Temporarily Unavailable	This API is temporarily unavailable. Please try later.	

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Validation Errors

Validation Errors

Error Code	Short Message	Long Message
81000	Missing Parameter	Required Parameter Missing : Unable to identify parameter
81001	Invalid Parameter	A Parameter is Invalid : Unable to identify parameter
81002	Unspecified Method	Method Specified is not Supported
81003	Unspecified Method	No Method Specified
81004	Unspecified Method	No Request Received
81100	Missing Parameter	OrderTotal (Amt) : Required parameter missing
81101	Missing Parameter	MaxAmt : Required parameter missing
81102	Missing Parameter	ReturnURL: Required parameter missing
81103	Missing Parameter	NotifyURL : Required parameter missing
81104	Missing Parameter	CancelURL : Required parameter missing
81105	Missing Parameter	ShipToStreet : Required parameter missing
81106	Missing Parameter	ShipToStreet2 : Required parameter missing
81107	Missing Parameter	ShipToCity : Required parameter missing
81108	Missing Parameter	ShipToState : Required parameter missing
81109	Missing Parameter	ShipToZip : Required parameter missing
81110	Missing Parameter	Country : Required parameter missing
81111	Missing Parameter	ReqConfirmShipping : Required parameter missing
81112	Missing Parameter	NoShipping : Required parameter missing
81113	Missing Parameter	AddrOverride : Required parameter missing
81114	Missing Parameter	LocaleCode : Required parameter missing
81115	Missing Parameter	PaymentAction : Required parameter missing
81116	Missing Parameter	Email : Required parameter missing
81117	Missing Parameter	Token : Required parameter missing
81118	Missing Parameter	PayerID : Required parameter missing
81119	Missing Parameter	ItemAmt : Required parameter missing
81120	Missing Parameter	ShippingAmt : Required parameter missing
81121	Missing Parameter	HandlingAmt : Required parameter missing

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Error Code	Short Message	Long Message
81122	Missing Parameter	TaxAmt : Required parameter missing
81123	Missing Parameter	IPAddress : Required parameter missing
81124	Missing Parameter	ShipToName : Required parameter missing
81125	Missing Parameter	L_Amt : Required parameter missing
81126	Missing Parameter	Amt : Required parameter missing
81127	Missing Parameter	L_TaxAmt : Required parameter missing
81128	Missing Parameter	AuthorizationID : Required parameter missing
81129	Missing Parameter	CompleteType : Required parameter missing
81130	Missing Parameter	CurrencyCode : Required parameter missing
81131	Missing Parameter	TransactionID : Required parameter missing
81132	Missing Parameter	TransactionEntity : Required parameter missing
81133	Missing Parameter	Acct : Required parameter missing
81134	Missing Parameter	ExpDate : Required parameter missing
81135	Missing Parameter	FirstName : Required parameter missing
81136	Missing Parameter	LastName : Required parameter missing
81137	Missing Parameter	Street : Required parameter missing
81138	Missing Parameter	Street2 : Required parameter missing
81139	Missing Parameter	City : Required parameter missing
81140	Missing Parameter	State : Required parameter missing
81141	Missing Parameter	Zip : Required parameter missing
81142	Missing Parameter	CountryCode : Required parameter missing
81143	Missing Parameter	RefundType : Required parameter missing
81144	Missing Parameter	StartDate : Required parameter missing
81145	Missing Parameter	EndDate : Required parameter missing
81146	Missing Parameter	MPID : Required parameter missing
81147	Missing Parameter	CreditCardType : Required parameter missing
81148	Missing Parameter	User : Required parameter missing
81149	Missing Parameter	Pwd : Required parameter missing
81150	Missing Parameter	Version : Required parameter missing
81200	Missing Parameter	Amt : Invalid parameter
81201	Invalid Parameter	MaxAmt : Invalid parameter

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Error Code	Short Message	Long Message
81203	Invalid Parameter	NotifyURL : Invalid parameter
81205	Invalid Parameter	ShipToStreet : Invalid parameter
81206	Invalid Parameter	ShipToStreet2 : Invalid parameter
81207	Invalid Parameter	ShipToCity : Invalid parameter
81208	Invalid Parameter	ShipToState : Invalid parameter
81209	Invalid Parameter	ShipToZip : Invalid parameter
81210	Invalid Parameter	Country : Invalid parameter
81211	Invalid Parameter	ReqConfirmShipping : Invalid parameter
81212	Invalid Parameter	Noshipping : Invalid parameter
81213	Invalid Parameter	AddrOverride : Invalid parameter
81214	Invalid Parameter	LocaleCode : Invalid parameter
81215	Invalid Parameter	PaymentAction : Invalid parameter
81219	Invalid Parameter	ItemAmt : Invalid parameter
81220	Invalid Parameter	ShippingAmt : Invalid parameter
81221	Invalid Parameter	HandlingTotal Amt : Invalid parameter
81222	Invalid Parameter	TaxAmt : Invalid parameter
81223	Invalid Parameter	IPAddress : Invalid parameter
81224	Invalid Parameter	ShipToName : Invalid parameter
81225	Invalid Parameter	L_Amt : Invalid parameter
81226	Invalid Parameter	Amt : Invalid parameter
81227	Invalid Parameter	L_TaxAmt : Invalid parameter
81229	Invalid Parameter	CompleteType : Invalid parameter
81230	Invalid Parameter	CurrencyCode : Invalid parameter
81232	Invalid Parameter	TransactionEntity : Invalid parameter
81234	Invalid Parameter	ExpDate : Invalid parameter
81235	Invalid Parameter	FirstName : Invalid parameter
81236	Invalid Parameter	LastName : Invalid parameter
81237	Invalid Parameter	Street : Invalid parameter
81238	Invalid Parameter	Street2 : Invalid parameter
81239	Invalid Parameter	City : Invalid parameter
81243	Invalid Parameter	RefundType : Invalid parameter

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Error Code	Short Message	Long Message
81244	Invalid Parameter	StartDate : Invalid parameter
81245	Invalid Parameter	EndDate : Invalid parameter
81247	Invalid Parameter	CreditCardType : Invalid parameter
81248	Invalid Parameter	Username : Invalid parameter
81249	Invalid Parameter	Password : Invalid parameter
81250	Invalid Parameter	Version : Invalid parameter
81251	Internal Error	Internal Service Error
99998	Transaction refused because of an invalid argument. See additional error messages for details.	Currency is not supported

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DirectPayment API Errors

DirectPayment API Errors

Error Code	Short Message	Long Message	Corrective Action
10102	PaymentAction of Order Temporarily Unavailable	PaymentAction of Order is temporarily unavailable. Please try later or use other PaymentAction.	
10401	Transaction refused because of an invalid argument. See additional error messages for details.	Order total is missing.	
10418	Transaction refused because of an invalid argument. See additional error messages for details.	The currencies of the shopping cart amounts must be the same.	
10426	Transaction refused because of an invalid argument. See additional error messages for details.	Item total is invalid.	
10427	Transaction refused because of an invalid argument. See additional error messages for details.	Shipping total is invalid.	
10428	Transaction refused because of an invalid argument. See additional error messages for details.	Handling total is invalid.	
10429	Transaction refused because of an invalid argument. See additional error messages for details.	Tax total is invalid.	
10432	Invalid argument	Invoice ID value exceeds maximum allowable length.	
10500	Invalid Configuration	This transaction cannot be processed due to an invalid merchant configuration.	Occurs when you have not agreed to the billing agreement.
10501	Invalid Configuration	This transaction cannot be processed due to an invalid merchant configuration.	Occurs when the billing agreement is disabled or inactive.

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Error Code	Short Message	Long Message	Corrective Action
10502	Invalid Data	This transaction cannot be processed. Please use a valid credit card.	The credit card used is expired.
10504	Invalid Data	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	The CVV provided is invalid. The CVV is between 3-4 digits long.
10505	Gateway Decline	This transaction cannot be processed.	The transaction was refused because the AVS response returned the value of N, and the merchant account is not able to accept such transactions.
10507	Invalid Configuration	This transaction cannot be processed. Please contact PayPal Customer Service.	Your PayPal account is restricted - contact PayPal for more information.
10508	Invalid Data	This transaction cannot be processed. Please enter a valid credit card expiration date.	The expiration date must be a two-digit month and four-digit year.
10509	Invalid Data	This transaction cannot be processed.	You must submit an IP address of the buyer with each API call.
10510	Invalid Data	The credit card type is not supported. Try another card type.	The credit card type entered is not currently supported by PayPal.
10511	Invalid Data	This transaction cannot be processed.	The merchant selected a value for the PaymentAction field that is not supported.
10512	Invalid Data	This transaction cannot be processed. Please enter a first name.	The first name of the buyer is required for this merchant.
10513	Invalid Data	This transaction cannot be processed. Please enter a last name.	The last name of the buyer is required for this merchant.
10519	Invalid Data	Please enter a credit card.	The credit card field was blank.
10520	Invalid Data	This transaction cannot be processed.	The total amount and item amounts do not match.
10521	Invalid Data	This transaction cannot be processed. Please enter a valid credit card.	The credit card entered is invalid.
10523	Internal Error	This transaction cannot be processed.	None - this is a PayPal internal error.

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Error Code	Short Message	Long Message	Corrective Action
10525	Invalid Data	This transaction cannot be processed. The amount to be charged is zero.	The merchant entered a amount of zero.
10526	Invalid Data	This transaction cannot be processed. The currency is not supported at this time.	The currency code entered is not supported.
10527	Invalid Data	This transaction cannot be processed. Please enter a valid credit card number and type.	The credit card entered is invalid.
10534	Gateway Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The credit card entered is currently restricted by PayPal. Contact PayPal for more information.
10535	Gateway Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The credit card entered is invalid.
10536	Invalid Data	This transaction cannot be processed.	The merchant entered an invoice ID that is already associated with a transaction by the same merchant. By default, the invoice ID must be unique for all transactions. To change this setting, log into PayPal or contact customer service.
10537	Filter Decline	This transaction cannot be processed.	The transaction was declined by the country filter managed by the merchant. To accept this transaction, change your risk settings on PayPal.
10538	Filter Decline	This transaction cannot be processed.	The transaction was declined by the maximum amount filter managed by the merchant. To accept this transaction, change your risk settings on PayPal.
10539	Filter Decline	This transaction cannot be processed.	The transaction was declined by PayPal. Contact PayPal for more information.
10540	Invalid Data	The transaction cannot be processed due to an invalid address.	The transaction was declined by PayPal because of an invalid address.
10541	Gateway Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The credit card entered is currently restricted by PayPal. Contact PayPal for more information.
10542	Invalid Data	This transaction cannot be processed. Please enter a valid email address.	The email address provided by the buyer is in an invalid format.

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Error Code	Short Message	Long Message	Corrective Action
10544	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal. Contact PayPal for more information.
10545	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal because of possible fraudulent activity. Contact PayPal for more information.
10546	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal because of possible fraudulent activity on the IP address. Contact PayPal for more information.
10547	Internal Error	This transaction cannot be processed.	None - this is a PayPal internal error.
10548	Invalid Configuration	This transaction cannot be processed. The merchant's account is not able to process transactions.	The merchant account attempting the transaction is not a business account at PayPal. Check your account settings.
10549	Invalid Configuration	This transaction cannot be processed. The merchan's account is not able to process transactions.	The merchant account attempting the transaction is not able to process Direct Payment transactions. Contact PayPal for more information.
10550	Invalid Configuration	This transaction cannot be processed.	Access to Direct Payment was disabled for your account. Contact PayPal for more information.
10552	Invalid Configuration	This transaction cannot be processed.	The merchant account attempting the transaction does not have a confirmed email address with PayPal. Check your account settings.
10553	Gateway Decline	This transaction cannot be processed.	The merchant attempted a transaction where the amount exceeded the upper limit for that merchant.
10554	Filter Decline	This transaction cannot be processed.	The transaction was declined because of a merchant risk filter for AVS. Specifically, the merchant has set to decline transaction when the AVS returned a no match (AVS = N).
10555	Filter Decline	This transaction cannot be processed.	The transaction was declined because of a merchant risk filter for AVS. Specifically, the merchant has set to decline transaction when the AVS returned a partial match.

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Error Code	Short Message	Long Message	Corrective Action
10556	Filter Decline	This transaction cannot be processed.	The transaction was declined because of a merchant risk filter for AVS. Specifically, the merchant has set to decline transaction when the AVS was unsupported.
10561	Invalid Data	There's an error with this transaction. Please enter complete billing address.	
10562	Invalid Data	This transaction cannot be processed. Please enter a valid credit card expiration year.	
10563	Invalid Data	This transaction cannot be processed. Please enter a valid credit card expiration month.	
10564	Gateway Decline	This transaction cannot be processed.	There was a problem processing this transaction.
10565	Merchant country unsupported	The merchant country is not supported.	
10566	Credit card type unsupported	The credit card type is not supported.	
10567	Invalid Data	This transaction cannot be processed. Please enter a valid credit card number and type.	
10571	Transaction approved, but with invalid Card Security Code (CSC) format.	This transaction was approved, although the Card Security Code (CSC) had too few, too many, or invalid characters. Based on your account profile settings, the invalid CSC was not given to the card issuer for its approval process.	If you want to require valid CVV values, change the risk control settings in your account profile.
10701	Invalid Data	There's an error with this transaction. Please enter a valid billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10702	Invalid Data	There's an error with this transaction. Please enter a valid address1 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

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Error Code	Short Message	Long Message	Corrective Action
10703	Invalid Data	There's an error with this transaction. Please enter a valid address2 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10704	Invalid Data	There's an error with this transaction. Please enter a valid city in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10705	Invalid Data	There's an error with this transaction. Please enter a valid state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10706	Invalid Data	There's an error with this transaction. Please enter a valid postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10707	Invalid Data	There's an error with this transaction. Please enter a valid country in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10708	Invalid Data	There's an error with this transaction. Please enter a complete billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10709	Invalid Data	There's an error with this transaction. Please enter an address1 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10709	Invalid Data	There's an error with this transaction. Please enter an address1 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10710	Invalid Data	There's an error with this transaction. Please enter a city in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10710	Invalid Data	There's an error with this transaction. Please enter a city in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

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Error Code	Short Message	Long Message	Corrective Action
10711	Invalid Data	There's an error with this transaction. Please enter your state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10712	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10713	Invalid Data	There's an error with this transaction. Please enter a country in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10713	Invalid Data	There's an error with this transaction. Please enter a country in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10714	Invalid Data	There's an error with this transaction. Please enter a valid billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10715	Invalid Data	There's an error with this transaction. Please enter a valid state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10716	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10717	Invalid Data	There's an error with this transaction. Please enter a valid postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10718	Invalid Data	There's an error with this transaction. Please enter a valid city and state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10719	Invalid Data	There's an error with this transaction. Please enter a valid shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

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Error Code	Short Message	Long Message	Corrective Action
10720	Invalid Data	There's an error with this transaction. Please enter a valid address1 in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10721	Invalid Data	There's an error with this transaction. Please enter a valid address2 in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10722	Invalid Data	There's an error with this transaction. Please enter a valid city in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10723	Invalid Data	There's an error with this transaction. Please enter a valid state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10724	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10725	Invalid Data	There's an error with this transaction. Please enter a valid country in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10726	Invalid Data	There's an error with this transaction. Please enter a complete shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10726	Invalid Data	There's an error with this transaction. Please enter a complete shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10727	Invalid Data	There's an error with this transaction. Please enter an address1 in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10727	Invalid Data	There's an error with this transaction. Please enter an address1 in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

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Error Code	Short Message	Long Message	Corrective Action
10728	Invalid Data	There's an error with this transaction. Please enter a city in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10728	Invalid Data	There's an error with this transaction. Please enter a city in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10729	Invalid Data	There's an error with this transaction. Please enter your state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10730	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10731	Invalid Data	There's an error with this transaction. Please enter a country in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10731	Invalid Data	There's an error with this transaction. Please enter a country in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10732	Invalid Data	There's an error with this transaction. Please enter a valid shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10733	Invalid Data	There's an error with this transaction. Please enter a valid state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10734	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10735	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

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Error Code	Short Message	Long Message	Corrective Action
10736	Invalid Data	There's an error with this transaction. Please enter a valid city and state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10744	Invalid Data	This transaction cannot be processed. Please enter a valid country code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10745	Invalid Data	This transaction cannot be processed. Please enter a valid country code in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10746	Invalid Data	This transaction cannot be processed. Please use a valid country on the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10747	Invalid Data	This transaction cannot be processed.	The merchant entered an IP address that was in an invalid format. The IP address must be in a format such as `123.456.123.456`.
10748	Invalid Data	This transaction cannot be processed without a Credit Card Verification Number.	The merchant's configuration requires a CVV to be entered, but no CVV was provided with this transaction. Contact PayPal if you wish to change this setting.
10750	Invalid Data	There's an error with this transaction. Please enter a valid state in the shipping address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10751	Invalid Data	There's an error with this transaction. Please enter a valid state in the billing address.	The merchant provided an address either in the United States or Canada, but the state provided is not a valid state in either country.
10752	Gateway Decline	This transaction cannot be processed.	The transaction was declined by the issuing bank, not PayPal. The merchant should attempt another card.
10754	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal. Contact PayPal for more information.
10755	Invalid Data	This transaction cannot be processed due to an unsupported currency.	The currency code entered by the merchant is not supported.

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Error Code	Short Message	Long Message	Corrective Action
10756	Gateway Decline	The transaction cannot be processed. The country and billing address associated with this credit card do not match.	None - this is a PayPal internal error.
10758	Invalid Configuration	There's been an error due to invalid API username and/or password.	The API username or password is incorrect for this merchant.
10759	Gateway Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The transaction was declined by PayPal. Contact PayPal for more information.
10760	Invalid Configuration	This transaction cannot be processed. The country listed for your business address is not currently supported.	The merchant's country of residence listed in their PayPal account is not currently supported to allow Direct Payment transactions.
10761	Gateway Decline	This transaction cannot be processed. Please check the status of your first transaction before placing another order.	The transaction was declined because PayPal is currently processing a transaction by the same buyer for the same amount. Can occur when a buyer submits multiple, identical transactions in quick succession.
10762	Gateway Decline	This transaction cannot be processed.	The CVV provide is invalid. The CVV is between 3-4 digits long.
10763	Invalid Data	This transaction cannot be processed.	None - this is a PayPal internal error.
10764	This transaction cannot be processed at this time. Please try again later.	This transaction cannot be processed at this time. Please try again later.	The transaction was declined by PayPal. Please try again later. If the problem persists, please contact PayPal.
11610	Payment Pending your review in Fraud Management Filters	Payment Pending your review in Fraud Management Filters	
11611	Transaction blocked by your settings in FMF	Transaction blocked by your settings in FMF	
11612	Could not process your request to accept/deny the transaction	Could not process your request to accept/deny the transaction	
11821	This transaction cannot be processed	This transaction cannot be processed because it has already been denied by a Fraud Management Filter	You cannot capture a payment after it has been denied by a Fraud Management Filter. You can control whether a Fraud Management Filter will deny a transaction by changing the filter's settings in the profile.

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Error Code	Short Message	Long Message	Corrective Action
12000	Transaction is not compliant due to missing or invalid 3-D Secure authentication values.	Transaction is not compliant due to missing or invalid 3-D Secure authentication values.	Check ECI, ECI3DS, CAVV, XID fields.
12001	Transaction is not compliant due to missing or invalid 3-D Secure authentication values.	Transaction is not compliant due to missing or invalid 3-D Secure authentication values.	Check ECI, ECI3DS, CAVV, XID fields.
15001	Gateway Decline	This transaction cannot be processed.	The transaction was rejected by PayPal because of excessive failures over a short period of time for this credit card. Contact PayPal for more information.
15002	Gateway Decline	This transaction cannot be processed.	The transaction was declined by PayPal. Contact PayPal for more information.
15003	Invalid Configuration	This transaction cannot be processed.	The transaction was declined because the merchant does not have a valid commercial entity agreement on file with PayPal. Contact PayPal for more information.
15004	Gateway Decline	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	The transaction was declined because the CVV entered does not match the credit card.
15005	Processor Decline	This transaction cannot be processed.	The transaction was declined by the issuing bank, not PayPal. The merchant should attempt another card.
15006	Processor Decline	This transaction cannot be processed. Please enter a valid credit card number and type.	The transaction was declined by the issuing bank, not PayPal. The merchant should attempt another card.
15007	Processor Decline	This transaction cannot be processed. Please use a valid credit card.	The transaction was declined by the issuing bank because of an expired credit card. The merchant should attempt another card.
15008	Invalid Data	This transaction has been completed, but the total of items in the cart did not match the total of all items.	

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SetExpressCheckout API Errors

SetExpressCheckout API Errors

Error Code	Short Message	Long Message	Correcting This Error...
10001	ButtonSource value truncated.	The transaction could not be loaded	
10001	Internal Error	Internal Error	
10003	Missing argument.	OtherPaymentMethodID is missing.	
10003	Missing argument.	OtherPaymentMethodLabel is missing.	
10003	Missing argument.	OtherPaymentMethodType is missing.	
10003	Missing argument.	One or more of these giropay URLs is missing: giropaySuccessURL, giropayCancelURL, BanktxnPendingURL.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction refused because of an invalid argument. See additional error messages for details.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid value for request billing address parameter.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid item URL.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	OtherPaymentMethodType is invalid.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	RegistrationDate of buyer is invalid.	

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Error Code	Short Message	Long Message	Correcting This Error...
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay buyer feedback overall positive count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay buyer feedback overall negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay buyer feedback total positive count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay buyer feedback total negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay buyer feedback recent positive count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay buyer feedback recent negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	SellerRegistrationDate is invalid.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback overall positive count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback overall negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback total positive count.	

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Error Code	Short Message	Long Message	Correcting This Error...
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback total negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback recent positive count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback recent negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay item transaction date.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay item buyer protection type.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay item payment hold risk.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Multiple eBay order IDs not allowed.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	AllowPushFunding value specified is invalid. It must be 0 or 1 or an empty string.	
10005	Option not supported.	Merchant not enabled to use enhanced checkout data.	
10005	Option not supported.	Merchant not enabled to use OtherPaymentMethodDetails.	
10005	Option not supported.	Transaction ID is not supported.	
10007	Permission denied	You do not have permission to make this API call	

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Error Code	Short Message	Long Message	Correcting This Error...
10010	Invalid Invoice	Non-ASCII invoice id is not supported.	
10101	Option not supported.	Express Checkout temporarily unavailable. Please try later.	
10102	PaymentAction of Order Temporarily Unavailable	PaymentAction of Order is temporarily unavailable. Please try later or use other PaymentAction.	
10103	Please use another Solution Type.	Your Solution Type is temporarily unavailable. If possible, please use another Solution Type.	
10400	Transaction refused because of an invalid argument. See additional error messages for details.	OrderTotal is missing.	
10401	Transaction refused because of an invalid argument. See additional error messages for details.	Order total is invalid.	
10402	Authorization only is not allowed for merchant.	This merchant account is not permitted to set PaymentAction to Authorization. Please contact Customer Service.	
10404	Transaction refused because of an invalid argument. See additional error messages for details.	ReturnURL is missing.	
10405	Transaction refused because of an invalid argument. See additional error messages for details.	CancelURL is missing.	
10407	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid buyer email address (BuyerEmail).	
10409	You’re not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	
10410	Invalid token	Invalid token.	

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Error Code	Short Message	Long Message	Correcting This Error...
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	If you receive this error, you must return your customer to PayPal to approve the use of PayPal again. Display an error message to inform the customer that the transaction expired, and provide a button to return to PayPal. In this situation, you are effectively restarting the entire checkout process. (Do not reuse the expired token value on `SetExpressCheckout request`.) However, because you already know the final `OrderTotal`, be sure to update the value for that element if appropriate. You might also want to update the values for `ReturnURL` and `CancelURL`, if necessary.
10412	Duplicate invoice	Payment has already been made for this InvoiceID.	PayPal checks that `InvoiceID` values are unique for any particular merchant. If you send an `InvoiceID` value already associated with another transaction in the PayPal system, PayPal returns error code 10412. You might not be able to correct this error during an actual checkout. If you get this error, research why might occur and modify your implementation of Express Checkout to ensure that you generate unique invoice identification numbers.
10413	Transaction refused because of an invalid argument. See additional error messages for details	The totals of the cart item amounts do not match order amounts.	If you get this error, be sure the total of the payment detail item parameters, such as ItemTotal, HandlingTotal, TaxTotal, and so forth add up to the the order total.

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Error Code	Short Message	Long Message	Correcting This Error...
10415	Transaction refused because of an invalid argument. See additional error messages for details.	A successful transaction has already been completed for this token.	PayPal allows a token only once for a successful transaction. Handling this error If you determine that your customers are clicking your "Place Order" button twice, PayPal recommends that you disable the button after your customer has clicked it.
10418	Transaction refused because of an invalid argument. See additional error messages for details	The currencies of the shopping cart amounts must be the same.	
10425	Express Checkout has been disabled for this merchant.	Express Checkout has been disabled for this merchant. Please contact Customer Service.	
10426	Transaction refused because of an invalid argument. See additional error messages for details	Item total is invalid.	
10427	Transaction refused because of an invalid argument. See additional error messages for details	Shipping total is invalid.	
10428	Transaction refused because of an invalid argument. See additional error messages for details	Handling total is invalid.	
10429	Transaction refused because of an invalid argument. See additional error messages for details	Tax total is invalid.	
10430	Transaction refused because of an invalid argument. See additional error messages for details	Item amount is missing.	
10431	Transaction refused because of an invalid argument. See additional error messages for details	Item amount is invalid.	

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Error Code	Short Message	Long Message	Correcting This Error...
10432	Transaction refused because of an invalid argument. See additional error messages for details	Invoice ID value exceeds maximum allowable length.	
10433	Transaction refused because of an invalid argument. See additional error messages for details	Value of Order Description has been truncated.	
10434	Transaction refused because of an invalid argument. See additional error messages for details	Value of Custom element has been truncated.	
10436	Transaction refused because of an invalid argument. See additional error messages for details.	PageStyle value exceeds maximum allowable length.	
10437	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	
10438	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	
10439	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	
10440	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	
10441	Transaction refused because of an invalid argument. See additional error messages for details	The NotifyURL element value exceeds maximum allowable length.	
10442	ButtonSource value truncated.	The ButtonSource element value exceeds maximum allowable length.	
10446	Transaction refused because of an invalid argument. See additional error messages for details.	Sale is only allowed PaymentAction.	

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Error Code	Short Message	Long Message	Correcting This Error...
10457	Error occurred in communicating to eBay	eBay API creation error	
10458	Error occurred in communicating to eBay	eBay API unknown failure	
10459	Error occurred in communicating to eBay	eBay API failure	
10460	Error occurred in communicating to eBay	Parsing error	
10461	Error occurred in communicating to eBay	Item number invalid, removed, or unavailable	
10462	Error occurred in communicating to eBay	Order not found	
10463	Error occurred in communicating to eBay	eBay user password incorrect	
10464	Error occurred in communicating to eBay	Item ID and Transaction ID mismatch	
10465	Error occurred in communicating to eBay	eBay user invalid	
10467	Error occurred in communicating to eBay	Duplicate Item ID	
10468	Transaction refused because of an invalid argument. See additional error messages for details	Duplicate Order ID	
10469	PaymentAction of Order Temporarily Unavailable	Express Auctions is unavailable	
10470	Wowo flag is off for ExpressO feature	Solution Type passed as Sole while ExpressO feature is turned off	
10471	Transaction refused because of an invalid argument. See additional error messages for details	ReturnURL is missing	
10472	Transaction refused because of an invalid argument. See additional error messages for details	CancelURL is missing	
10473	Error occurred in communicating to eBay	Multiple Order IDs are not supported	

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Error Code	Short Message	Long Message	Correcting This Error...
10474	Invalid Data	This transaction cannot be processed. The country code in the shipping address must match the buyer's country of residence	
10475	Transaction refused because of an invalid argument. See additional error messages for details	This transaction cannot be completed with PaymentAction of Sale	
10476	Invalid Data	Maximum number of billing agreements exceeded	
10477	Invalid Data	More than one billing agreement specified for reference transaction	
10478	Invalid Data	Recurring payments profile description must be provided if the billing agreement type is recurring payments	
10479	Invalid Data	Billing agreement types cannot be mixed in the same request	
10480	Invalid Data	Invalid billing agreement type	
10537	Risk Control Country Filter Failure	The transaction was refused because the country was prohibited as a result of your Country Monitor Risk Control Settings.	
10538	Risk Control Max Amount Failure	The transaction was refused because the maximum amount was excceeded as a result of your Maximum Amount Risk Control Settings.	
10539	Payment declined by your Risk Controls settings: PayPal Risk Model.	Payment declined by your Risk Controls settings: PayPal Risk Model.	
10725	Shipping Address Country Error	There was an error in the Shipping Address Country field	
10727	Shipping Address1 Empty	The field Shipping Address1 is required	
10728	Shipping Address City Empty	The field Shipping Address City is required	
10729	Shipping Address State Empty	The field Shipping Address State is required	

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Error Code	Short Message	Long Message	Correcting This Error...
10730	Shipping Address Postal Code Empty	The field Shipping Address Postal Code is required	
10731	Shipping Address Country Empty	The field Shipping Address Country is required	
10736	Shipping Address Invalid City State Postal Code	A match of the Shipping Address City, State, and Postal Code failed.	
10800	Invalid Data	Your request is too long. Check URLs and other long strings.	
11001	Exceeds maximum length.	Value of NoteText element is truncated.	
11001	Exceeds maximum length.	OtherPaymentMethodID exceeds maximum length.	
11001	Exceeds maximum length.	OtherPaymentMethodLabel exceeds maximum length.	
11001	Exceeds maximum length.	OtherPaymentMethodLabelDescription exceeds maximum length.	
11001	Exceeds maximum length.	OtherPaymentMethodLongDescription exceeds maximum length.	
11001	Exceeds maximum length.	OtherPaymentMethodLongDescriptionTitle exceeds maximum length.	
11001	Exceeds maximum length.	OtherPaymentMethodIcon exceeds maximum length.	
11547	Recurring payments temporarily unavailable; try again later	Recurring payments temporarily unavailable.	
11601	Request for billing address failed	Billing address request is not enabled for merchant	
11602	Request for billing address failed	Feature not yet available	
11801	Invalid Data	You cannot pass both new and deprecated parameter address fields.	
11802	Invalid Data	You cannot pass both the new and deprecated Custom parameter.	
11803	Invalid Data	You cannot pass both the new and deprecated Invoice ID parameter.	
11804	Invalid Data	You cannot pass both the new and deprecated order description.	

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Error Code	Short Message	Long Message	Correcting This Error...
11805	Invalid Data	You cannot pass both the new and deprecated order total or amount parameters.	
11806	Invalid Data	You cannot pass both the new and deprecated ProfileAddressChangeDate parameter.	
11807	Invalid Data	You cannot pass both the new and deprecated ShippingMethod parameter.	
11810	Transaction refused because of an invalid argument. See additional error messages for details	Invalid Insurance Amount.	
11811	Transaction refused because of an invalid argument. See additional error messages for details	Invalid Shipping Discount.	
11812	Invalid Data	The value of Description parameter has been truncated.	
11813	Transaction refused because of an invalid argument. See additional error messages for details	Invalid callback URL.	
	Callback URL is wrong type	Callback URL is wrong type; you must use the HTTPS	Ensure that your callback URL starts with `https://`.
11814	Invalid data	Invalid value for AllowNote.	
11815	Transaction refused because of an invalid argument. See additional error messages for details	Item sales tax is invalid.	
	Callback options missing	You must specify callback options when you specify a callback URL	
	Invalid callback timeout	The callback timeout is is zero; you must specify a longer timeout	
	Line items missing	Line items are required when specify a callback URL for flate rate shipping options	
	Callback URL is too long	The callback URL must not exceed 1,024 characters	

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Error Code	Short Message	Long Message	Correcting This Error...
	Multiple default shipping options specified	You can only specify one default shipping option at a time	
	No default shipping option specified	You must specify a default shipping option	
	Invalid shipping total	Invalid shipping total; it should equal the shipping amount of the default shipping option	
	Invalid shipping options	Invalid shipping options; you must specify a name and amount for each shipping option	
11821	Invalid shipping options	Invalid shipping options; you must specify a name and amount for each shipping option type	
11822	Multiple default shipping options specified	More than one shipping option type is marked as the default; you can only specify one default shipping option at a time	
11823	No default shipping option specified	You must specify one shipping option type as the default	
11824	Invalid callback timeout	The callback timeout is zero; you must specify a longer timeout value	
11825	Flat-rate shipping options are missing	Flat-rate shipping options are missing; you must specify flat-rate shipping options when you specify a callback URL	
11826	Invalid shipping total	Invalid shipping total; it should equal the shipping amount of the selected shipping option	
11827	Line items missing	Line items missing; line items are required when you specify a callback URL for flat-rate shipping options	
11828	Maximum amount of order not specified	Maximum amount of order not specified; you must specify the estimated value of the order when using a flat-rate shipping option	
11829	Shipping total is missing	Shipping total is missing; you must specify a shipping total when using a flat-rate shipping option	

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Error Code	Short Message	Long Message	Correcting This Error...
11830	Insurance amount is missing	Insurance amount is missing; you have offered insurance but have not specified an amount.	
11831	Callback URL is too long	Callback URL is too long; it must not exceed 1,024 characters	
11832	Maximum amount of order is less than itemized amounts	Maximum amount of order is less than itemized amounts; the value of all items, including handling, shipping, tax, and insurance cannot be greater than the maximum amount of the order	
12109	Option not supported.	Seller blocks payments via eBay checkout for all eBay items.	
12124	Option not supported.	Express Checkout not supported for you.	
12200	Buyer ID is not present.	Buyer ID must be specified to process an Immediate Payment item.	
12201	Immediate Payment item was not found.	The item specified is either not valid or is not currently available for purchase as an Immediate Payment item.	Please check that the item is a valid Immediate Payment item.
12202	More than one eBay item is present.	Only one Immediate Payment item can be paid for in a single PayPal payment transaction.	
12205	eBay Transaction ID and eBay Order ID must be null.	Requests for eBay Immediate Payment items should not contain either eBay transaction ID or eBay order ID. If the fields are present, they should contain null values.	
12207	Cart ID is required for Immediate Payment item.	Cart ID is required for Immediate Payment item.	
12208	eBay item amount does not match Express Checkout API item amount.	eBay item amount must match Express Checkout API item amount.	
13100	Parallel payments functionality is not available	Parallel payments functionality is not available	
13101	Invalid Data	Payment action of Order is only supported for parallel payments	
13102	Payment Request ID is missing	Payment Request ID is mandatory for parallel payments	

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Error Code	Short Message	Long Message	Correcting This Error...
13103	Duplicate Payment Request ID passed	Payment Request ID must be unique for parallel payments	
13104	Transaction refused because of an invalid argument. See Additional error messages for details.	Number of payment requests exceeds maximum number of supported requests.	
13105	Invalid Data	Billing Agreement is not supported for parallel payments.	
13106	Invalid Data	You cannot pass both the new and deprecated PaymentAction parameter.	
13108	Merchant is not eligible.	Merchant is not eligible for parallel payments.	
13110	Multi Payments Sale is Not allowed	Due to some technical diffculties the Multi Payments for Sale is not avaliable now please try again later.	
13111	Mixed Payment action not supported	The Payment Action passed should be unique, mixed Payment Action not supported	
13114	Buyer Didn't Complete	The Buyer returned without completing the payment	
13115	Seller ID Missing	Seller ID is mandatory for parallel payments	
13116	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction is in progress for this token.	

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GetExpressCheckoutDetails API Errors

GetExpressCheckoutDetails API Errors

Error Code	Short Message	Long Message	Correcting This Error...
10001	Internal Error	Internal Error	
10001	Internal Error	Transaction failed due to internal error	
10001	ButtonSource value truncated.	The transaction could not be loaded	
10001	ButtonSource value truncated.	The transaction could not be loaded	
10003	Missing argument.	OtherPaymentMethodID is missing.	
10003	Missing argument.	OtherPaymentMethodLabel is missing.	
10003	Missing argument.	OtherPaymentMethodType is missing.	
10003	Missing argument.	One or more of these giropay URLs is missing: giropaySuccessURL, giropayCancelURL, BanktxnPendingURL.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction refused because of an invalid argument. See additional error messages for details.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10004	Invalid transaction type	You can not get the details for this type of transaction	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction could not be loaded	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10007	Permission denied	You do not have permission to make this API call	

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Error Code	Short Message	Long Message	Correcting This Error...
10007	Permission denied	You do not have permission to get the details of this transaction	
10007	Permission denied	You do not have permission to make this API call	
10408	Express Checkout token is missing.	Express Checkout token is missing.	
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	
10410	Invalid token	Invalid token.	
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	
13112	Cannot Pay Seller.	The Buyer will not be able to Pay the seller for this transaction	
13113	Buyer Cannot Pay.	The Buyer cannot pay with PayPal for this transaction.	
13116	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction is in progress for this token.	

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DoExpressCheckoutPayment API Errors

DoExpressCheckoutPayment API Errors

Error Code	Short Message	Long Message	Correcting This Error...
10001	Internal Error	Transaction failed due to internal error	
10001	Internal Error	Warning an internal error has occurred. The transaction id may not be correct	
10001	ButtonSource value truncated.	The transaction could not be loaded	
10001	Internal Error	Internal Error	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction refused because of an invalid argument. See additional error messages for details.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid item URL.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	SellerRegistrationDate is invalid.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback overall positive count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback overall negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback total positive count.	

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Error Code	Short Message	Long Message	Correcting This Error...
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback total negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback recent positive count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay seller feedback recent negative count.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay item transaction date.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay item buyer protection type.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid eBay item payment hold risk.	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Multiple eBay order IDs not allowed.	
10007	Permission denied	You do not have permissions to make this API call	
10406	Transaction refused because of an invalid argument. See additional error messages for details.	The PayerID value is invalid.	
10408	Express Checkout token is missing.	Express Checkout token is missing.	
10409	You’re not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	
10410	Invalid token	Invalid token.	

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Error Code	Short Message	Long Message	Correcting This Error...
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	
10412	Duplicate invoice	Payment has already been made for this InvoiceID.	
10413	Transaction refused because of an invalid argument. See additional error messages for details	The totals of the cart item amounts do not match order amounts.	If you get this error, be sure the total of the payment detail item parameters, such as ItemTotal, HandlingTotal, TaxTotal, and so forth add up to the the order total.
10414	Transaction refused because of an invalid argument. See additional error messages for details.	The amount exceeds the maximum amount for a single transaction.	
10415	Transaction refused because of an invalid argument. See additional error messages for details.	A successful transaction has already been completed for this token.	
10416	Transaction refused because of an invalid argument. See additional error messages for details.	You have exceeded the maximum number of payment attempts for this token.	
10417	Transaction cannot complete.	The transaction cannot complete successfully. Instruct the customer to use an alternative payment method.	Instruct the customer that PayPal is unable to process the payment and redisplay alternative payment methods with which the customer can pay.
10418	Transaction refused because of an invalid argument. See additional error messages for details.	The currencies of the shopping cart amounts must be the same.	
10419	Express Checkout PayerID is missing.	Express Checkout PayerID is missing.	
10420	Transaction refused because of an invalid argument. See additional error messages for details.	Express Checkout PaymentAction is missing.	
10421	This Express Checkout session belongs to a different customer.	This Express Checkout session belongs to a different customer. Token value mismatch.	Verify that your programs are properly associating the `Token`s and `PayerID`s.

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Error Code	Short Message	Long Message	Correcting This Error...
10422	Customer must choose new funding sources.	The customer must return to PayPal to select new funding sources.	
10424	Transaction refused because of an invalid argument. See additional error messages for details.	Shipping address is invalid.	If you receive this error message, PayPal recommends that you return your customer to PayPal to review and approve new valid funding sources. Although this error is rare, you should consider trapping the error to display a message to the customer describing what happened, along with a button or hyperlink to return to PayPal.
10426	Transaction refused because of an invalid argument. See additional error messages for details.	Item total is invalid.	
10427	Transaction refused because of an invalid argument. See additional error messages for details.	Shipping total is invalid.	
10428	Transaction refused because of an invalid argument. See additional error messages for details.	Handling total is invalid.	
10429	Transaction refused because of an invalid argument. See additional error messages for details.	Tax total is invalid.	
10431	Item amount is invalid.	Item amount is invalid.	
10432	Transaction refused because of an invalid argument. See additional error messages for details.	Invoice ID value exceeds maximum allowable length.	
10433	Transaction refused because of an invalid argument. See additional error messages for details.	Value of OrderDescription element has been truncated.	
10434	Transaction refused because of an invalid argument. See additional error messages for details.	Value of Custom element has been truncated.	

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Error Code	Short Message	Long Message	Correcting This Error...
10435	Transaction refused because of an invalid argument. See additional error messages for details.	The customer has not yet confirmed payment for this Express Checkout session.	
10441	Transaction refused because of an invalid argument. See additional error messages for details.	The NotifyURL element value exceeds maximum allowable length.	
10442	ButtonSource value truncated.	The ButtonSource element value exceeds maximum allowable length.	
10443	Transaction refused because of an invalid argument. See additional error messages for details.	This transaction cannot be completed with PaymentAction of Order.	
10444	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction currency specified must be the same as previously specified.	
10445	This transaction cannot be processed at this time. Please try again later.	This transaction cannot be processed at this time. Please try again later.	
10446	Unconfirmed email	A confirmed email is required to make this API call.	
10474	Invalid Data	This transaction cannot be processed. The country code in the shipping address must match the buyer's country of residence.	The buyer selects the country of residence when they sign up for their PayPal account. The country of residence is displayed after the dash in the title on the Account Overview page.
10481	Transaction refused because of an invalid argument. See additional error messages for details.	PaymentAction of Authorization is not allowed with Unilateral and Non-Credentialed authentication.	
10482	Transaction refused because of an invalid argument. See additional error messages for details.	PaymentAction of Order is not allowed with Unilateral and Non-Credentialed authentication.	
10537	Risk Control Country Filter Failure	The transaction was refused because the country was prohibited as a result of your Country Monitor Risk Control Settings.	

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Error Code	Short Message	Long Message	Correcting This Error...
10538	Risk Control Max Amount Failure	The transaction was refused because the maximum amount was excceeded as a result of your Maximum Amount Risk Control Settings.	
10539	Payment declined by your Risk Controls settings: PayPal Risk Model.	Payment declined by your Risk Controls settings: PayPal Risk Model.	
10725	Shipping Address Country Error	There was an error in the Shipping Address Country field	
10727	Shipping Address1 Empty	The field Shipping Address1 is required	
10728	Shipping Address City Empty	The field Shipping Address City is required	
10729	Shipping Address State Empty	The field Shipping Address State is required	
10730	Shipping Address Postal Code Empty	The field Shipping Address Postal Code is required	
10731	Shipping Address Country Empty	The field Shipping Address Country is required	
10736	Shipping Address Invalid City State Postal Code	A match of the Shipping Address City, State, and Postal Code failed.	
11001	Exceeds maximum length.	Value of NoteText element is truncated.	
11610	Payment Pending your review in Fraud Management Filters	Payment Pending your review in Fraud Management Filters	
11611	Transaction blocked by your settings in FMF	Transaction blocked by your settings in FMF	
11612	Could not process your request to accept/deny the transaction	Could not process your request to accept/deny the transaction	
11820	Transaction refused because of an invalid argument. See additional error messages for details	Invalid Order URL.	

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Error Code	Short Message	Long Message	Correcting This Error...
	Invalid shipping amount	Invalid shipping amount; it should equal the shipping amount of the selected shipping option	
	Invalid shipping options	Invalid shipping options; you must specify a name and amount for each shipping option	
11821	Invalid shipping options	Invalid shipping options; you must specify a name and amount for each shipping option type	
11826	Invalid shipping total	Invalid shipping total; it should equal the shipping amount of the selected shipping option	
12125	PP incentive no longer available.	There's a problem with the redemption code(s) you entered and can't be used at this time. Your payment has not been processed. Please go back to PayPal so that the code(s) can be removed, your order total can be updated and then you'll be able to complete checkout.	
12126	Payment could not be processed at this time. Incentive temporarily unavailable.	We're having problems processing redemption codes at this time. Your payment has not been processed. You can try to check out again at a later time or complete your payment without the discount applied.	
12201	Immediate Payment item was not found.	The item specified is either not valid or is not currently available for purchase as an Immediate Payment item.	Please check that the item is a valid Immediate Payment item.
12203	Payment rolled back because of pending item.	Payment was not created because it would have been in a pending state, which is unacceptable for Immediate Payment items.	
12204	Transaction reversed.	Error occurred causing transaction reversal.	

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Error Code	Short Message	Long Message	Correcting This Error...
12206	The value of PaymentAction must be Sale for Immediate Payment item.	Order and Authorization are not acceptable values for PaymentAction when the item is an Immediate Payment	
12207	Cart ID is required for Immediate Payment item.	Cart ID is required for Immediate Payment item.	
12208	eBay item amount does not match Express Checkout API item amount.	eBay item amount does not match Express Checkout API item amount.	
13100	Parallel payments functionality is not available	Parallel payments functionality is not available	
13101	Invalid Data	Payment action of Order is only supported for parallel payments	
13102	Payment Request ID is missing	Payment Request ID is mandatory for parallel payments	
13103	Duplicate Payment Request ID passed	Payment Request ID must be unique for parallel payments	
13104	Transaction refused because of an invalid argument. See Additional error messages for details.	Number of payment requests exceeds maximum number of supported requests.	
13106	Invalid Data	You cannot pass both the new and deprecated PaymentAction parameter.	
13107	Parallel payments partially successful.	One or more payment requests failed. Check individual payment responses for more information.	
13110	Multi Payments Sale is Not allowed	Due to some technical diffculties the Multi Payments for Sale is not avaliable now please try again later.	
13111	Mixed Payment action not supported	The Payment Action passed should be unique, mixed Payment Action not supported	

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Error Code	Short Message	Long Message	Correcting This Error...
13115	Seller ID Missing	Seller ID is mandatory for parallel payments	
13116	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction is in progress for this token.	

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Authorization and Capture API Errors

Authorization & Capture API Error Messages

Error Code	Short Message	Long Message	Returned By API Call...	Correcting This Error...
10001	Internal Error	Internal Error		
10001	Internal Error	Transaction failed due to internal error		
10004	Internal Error	Invalid argument		
10007	Permission denied	You do not have permissions to make this API call		
10009	Transaction refused	Account is locked or inactive		Retry the request at a later time or close order.
10010	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid argument		
10202	Exceed max	Transaction would exceed user's monthly maximum	DoAuthorization DoCapture	
10600	Authorization voided.	Authorization is voided.	DoAuthorization DoCapture DoReauthorization DoVoid	Close the order or authorization.
10601	Authorization expired.	Authorization has expired.	DoAuthorization DoCapture DoReauthorization DoVoid	Close the order or authorization.
10602	Authorization completed.	Authorization has already been completed.	DoAuthorization DoCapture DoReauthorization DoVoid	Close the order or authorization.
10603	The buyer is restricted.	The buyer account is restricted.	DoAuthorization DoCapture DoReauthorization DoVoid	Contact the buyer.

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Error Code	Short Message	Long Message	Returned By API Call...	Correcting This Error...
10604	Authorization must include both buyer and seller.	Authorization transaction cannot be unilateral. It must include both buyer and seller to make an auth.	DoAuthorization	Review the order to ensure customer and seller are both PayPal members.
10605	Unsupported currency.	Currency is not supported.	DoAuthorization DoCapture	Retry the request with a PayPal-supported currency.
10606	Buyer cannot pay.	Transaction rejected, please contact the buyer.	DoAuthorization DoCapture DoReauthorization	Contact the buyer.
10607	Auth&Capture unavailable.	Authorization & Capture feature unavailable.	DoAuthorization DoCapture DoReauthorization DoVoid	Contact PayPal Customer Service.
10608	Funding source missing.	The funding source is missing.	DoAuthorization DoCapture DoReauthorization	Contact the buyer.
10609	Invalid transactionID.	Transaction id is invalid.	DoAuthorization DoCapture DoReauthorization DoVoid	Check the validity of the authorization ID and reattempt the request.
10610	Amount limit exceeded.	Amount specified exceeds allowable limit.	DoAuthorization DoCapture DoReauthorization	Reattempt the request with a lower amount.
10611	Not enabled.	Authorization & Capture feature is not enabled for the merchant. Contact customer service.	DoAuthorization DoCapture DoReauthorization	Contact PayPal Customer Service.
10612	No more settlement.	Maxmimum number of allowable settlements has been reached. No more settlement for the authorization.	DoCapture	Close the order.
10613	Currency mismatch.	Currency of capture must be the same as currency of authorization.	DoCapture	Ensure that the currencies are the same, and retry the request.
10614	Cannot void reauth.	You can void only the original authorization, not a reauthorization.	DoVoid	Void the authorization.

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Error Code	Short Message	Long Message	Returned By API Call...	Correcting This Error...
10615	Cannot reauth reauth.	You can reauthorize only the original authorization, not a reauthorization.	DoReauthorization	Capture the reauthorization.
10616	Maximum number of reauthorization allowed for the auth is reached.	Maximum number of reauthorization allowed for the auth is reached.	DoReauthorization	Capture or close the authorization
10617	Reauthorization not allowed.	Reauthorization is not allowed inside honor period.	DoReauthorization	Capture the authorization or reauthorize outside of honor period.
10618	Transaction already voided or expired.	Transaction has already been voided or expired.	DoAuthorization DoCapture DoReauthorization DoVoid	Close the order or authorization.
10619	Invoice ID value exceeds maximum allowable length.	Invoice ID value exceeds maximum allowable length.	DoCapture	Check the length of the invoice ID and reattempt the request.
10620	Order has already been voided, expired, or completed.	Order has already been voided, expired, or completed.	DoAuthorization DoCapture DoVoid	Close this order.
10621	Order has expired.	Order has expired.	DoAuthorization DoCapture DoVoid	Close this order.
10622	Order is voided.	Order is voided.	DoAuthorization DoCapture DoVoid	Close this order.
10623	Maximum number of authorization allowed for the order is reached.	Maximum number of authorization allowed for the order is reached.	DoAuthorization DoCapture DoReauthorization DoVoid	Capture this order.
10624	Duplicate invoice	Payment has already been made for this Invoice ID.	DoAuthorization	Review the invoice ID and reattempt the request.

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Error Code	Short Message	Long Message	Returned By API Call...	Correcting This Error...
10625	Transaction refused because of an invalid argument. See additional error messages for details.	The amount exceeds the maximum amount for a single transaction.	DoAuthorization DoCapture DoReauthorization	Reattempt the request with a lower amount.
10626	Risk	Transaction refused due to risk model.	DoAuthorization DoCapture DoReauthorization	Contact the buyer.
10627	Transaction refused because of an invalid argument. See additional error messages for details.	The invoice ID field is not supported for basic authorizations.	DoAuthorization DoReauthorization DoVoid	The Invoice ID field can only be used with DoCapture.
10628	This transaction cannot be processed at this time. Please try again later.	This transaction cannot be processed at this time. Please try again later.	DoAuthorization DoCapture DoReauthorization DoVoid	Retry the request at a later time.
10629	Reauthorization not allowed.	Reauthorization is not allowed for this type of authorization.	DoReauthorization	Use DoAuthorization to authorize the an order.
10630	Item amount is invalid.	Item amount is invalid.	DoAuthorization DoCapture	Check the item amount to ensure that it is not zero or negative.
10631	Processor Warning.	The authorization is being processed.	DoAuthorization	
11094	This authorization cannot be voided, reauthorized, or captured against.	This authorization can only be handled through the marketplace which created it. It cannot directly be voided, reauthorized, or captured against.		

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GetTransactionDetails API Errors

GetTransactionDetails API Errors

Error Code	Short Message	Long Message
10001	Internal Error	Internal Error

TransactionSearch API Errors

TransactionSearch API Errors

Error Code	Short Message	Long Message
10001	Internal Error	Internal Error
10001	ButtonSource value truncated.	The transaction could not be loaded
10003	Transaction refused because of an invalid argument. See additional error messages for details.	Start date is a required parameter
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Start date is invalid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	End date is invalid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Currency is not supported
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction class is not supported
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Receipt id is not valid

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Error Code	Short Message	Long Message
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Payer email is invalid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Auction item id is not valid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Receiver email is invalid
10004	Transaction refused because of an invalid argument. See additional error messages for details.	You can not search for a transaction id and a receipt id
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Receiver can only be specified for payments you've received
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid
10007	Permission denied	You do not have permission to search for this transaction
10007	Permission denied	You do not have permission to make this API call
11002	Search warning	The number of results were truncated. Please change your search parameters if you wish to see all your results.

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RefundTransaction API Errors

RefundTransaction API Errors

Error Code	Short Message	Long Message	Correcting This Error...
10001	Internal Error	Internal Error	
10001	Internal Error	Warning an internal error has occurred. The transaction id may not be correct	
10001	ButtonSource value truncated.	The transaction could not be loaded	
10001	Internal Error	Internal Error	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The partial refund amount must be a positive amount	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	You can not specify a partial amount with a full refund	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	A transaction id is required	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The partial refund amount must be a positive amount	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	You can not specify a partial amount with a full refund	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	A transaction id is required	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction class is not supported	

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Error Code	Short Message	Long Message	Correcting This Error...
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid	
10007	Permission denied	You do not have permission to refund this transaction	
10007	Permission denied	You do not have permissions to make this API call	
10009	Transaction refused	You do not have a verified ACH	This error can be caused by insufficient funds in your PayPal balance to cover the amount of the refund and either your not having yet verified the bank account associated with your PayPal account or your not having any bank account associated with your PayPal account at all. Ensure that you have sufficient funds in your PayPal balance and that you have verified the associated bank account.
10009	Transaction refused	The partial refund amount must be less than or equal to the original transaction amount	
10009	Transaction refused	The partial refund amount must be less than or equal to the remaining amount	
10009	Transaction refused	The partial refund amount is not valid	
10009	Transaction refused	Because a complaint case exists on this transaction, only a refund of the full or full remaining amount of the transaction can be issued	
10009	Transaction refused	You are over the time limit to perform a refund on this transaction	
10009	Transaction refused	Can not do a full refund after a partial refund	
10009	Transaction refused	Account is locked or inactive	
10009	Transaction refused	The partial refund must be the same currency as the original transaction	

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Error Code	Short Message	Long Message	Correcting This Error...
10009	Transaction refused	This transaction has already been fully refunded	
10009	Transaction refused	Account is restricted	
10009	Transaction refused	You can not refund this type of transaction	
10009	Transaction refused	You can not do a partial refund on this transaction	
10009	Transaction refused	The account for the counterparty is locked or inactive	
10009	Transaction refused	You can not refund this type of transaction	
10011	Invalid transaction id value	Transaction refused because of an invalid transaction id value	
11001	Transaction refused because of an invalid argument. See additional error messages for details.	Transaction class is not supported	

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MassPay API Errors

MassPay API Errors

Error Code	Short Message	Long Message
10001	Invalid account number.	The transaction failed as a result of an invalid credit card number. Check the number or attempt with another card.
10001	Internal Error	Internal Error
10001	Internal Error	The transaction could not be loaded
10001	ButtonSource value truncated.	The transaction could not be loaded
10001	Transaction refused because of an invalid argument. See additional error messages for details.	The masspay receiver_type is not a recognizable type
10002	Account locked	The user account is locked
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The number of input records is greater than maximum allowed
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The number of input records is less than or equal to zero
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The note string length exceeds the maximum limit of 4000 characters
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The amount is missing
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The currency is missing
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Currency is not supported

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Error Code	Short Message	Long Message
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The amount is not a valid number
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The amount exceeds the max limit of a single mass pay item ~1
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The amount is less than or equal to zero
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The unique id string length exceeds the maximum limit of 30 characters
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The unique id string contains a space as a character
10004	Transaction refused because of an invalid argument. See additional error messages for details.	The transaction id is not valid
10007	Permission denied	You do not have permissions to make this API call
10301	User not allowed	The user is not allowed to send money through Mass Pay
10303	Restricted account	Account is restricted
10304	Unconfirmed email	The user account has unconfirmed email
10305	Limit Exceeded	The user account needs to have its sending limit removed in order to make a mass payment.
10306	Limit Exceeded	The user’s international account needs to have its sending limit removed in order to make a mass payment
10307	Receive only account	The user account is receive only and therefore cannot send payments out
10308	Masspay server configuration error	There is some configuration error
10309	Masspay server unavailable	The mass pay server is unavailable
10310	Unable to create payment	Unable to create payments for masspay

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Error Code	Short Message	Long Message
10311	Unable to submit payment	Unable to submit payments for masspay
10312	Masspay server error	The masspay server has reported errors
10313	Masspay Invalid Data	The masspay input file includes invalid data
10314	Masspay input parse error	The input to the masspay server is incorrect. Please make sure that you are using a correctly formatted input.
10317	Masspay Invalid Email	The masspay input file includes invalid Email
10320	Internal Error	Internal Error
10321	Insufficient funds	The account does not have sufficient funds to do this masspay
10327	Masspay Invalid UserID	The masspay input file includes invalid UserID

Recurring Payments Errors

The following table lists errors for the following APIs that handle recurring payments profiles:

- `CreateRecurringPaymentsProfile`
- `GetRecurringPaymentsProfileDetails`
- `ManageRecurringPaymentsProfileStatus`
- `UpdateRecurringPaymentsProfile`
- `BillOutstandingAmount`

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Recurring Payments Errors

Error Code	Short Message	Long Message	Additional Information
10001	Invalid account number	The transaction failed as a result of invalid credit card number. Check the number or attempt with another credit card.	
10003	Missing argument	Item name, amount and quantity are required if item category is provided.	Scenario: Merchant passes item category as either Digital or Physical but does not also pass one of the following parameters: name, amount, or quantity.
10004	Transaction refused because of an invalid argument. See additional error messages for details.	You are not signed up to accept payment for digitally delivered goods.	Scenario: Merchant is not signed up for digital goods but passes item category as Digital.
10004	Cart item calculation mismatch.	Cart item calculation mismatch. The regular non-trial billing period amount is different than the sum of the amounts for each item in the cart.	Scenario: When the regular non-trial billing period amount is different than the sum of the amounts for each item in the cart
10004	Tax calculation mismatch.	Tax calculation mismatch. The tax amount for the regular non-trial billing period is different than the sum of the tax for each item in the cart.	Scenario: When the regular non-trial billing period is different than the sum of the tax for each item in the cart.
10478	Invalid Data	Recurring payments profile description must be provided if the billing agreement type is recurring payments.	
10501	Invalid Configuration	This transaction cannot be processed due to an invalid merchant configuration.	Occurs when the billing agreement is disabled or inactive.
10502	Invalid Data	This transaction cannot be processed. Please use a valid credit card.	The credit card used is expired.
10504	Invalid Data	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	The CVV provided is invalid. The CVV is between 3-4 digits long.
10505	Gateway Decline	This transaction cannot be processed.	The transaction was refused because the AVS response returned the value of N, and the merchant account is not able to accept such transactions.

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Error Code	Short Message	Long Message	Additional Information
10507	Invalid Configuration	This transaction cannot be processed. Please contact PayPal Customer Service.	Your PayPal account is restricted - contact PayPal for more information.
10508	Invalid Data	This transaction cannot be processed. Please enter a valid credit card expiration date.	The expiration date must be a two-digit month and four-digit year.
10509	Invalid Data	This transaction cannot be processed.	You must submit an IP address of the buyer with each API call.
10510	Invalid Data	The credit card type is not supported. Try another card type.	The credit card type entered is not currently supported by PayPal.
10511	Invalid Data	This transaction cannot be processed.	The merchant selected an value for the PaymentAction field that is not supported.
10512	Invalid Data	This transaction cannot be processed. Please enter a first name.	The first name of the buyer is required for this merchant.
10513	Invalid Data	This transaction cannot be processed. Please enter a last name.	The last name of the buyer is required for this merchant.
10535	Gateway decline	This transaction cannot be processed. Please enter a valid credit card number and type.	
10548	Invalid Configuration	This transaction cannot be processed. The merchant's account is not able to process transactions.	The merchant account attempting the transaction is not a business account at PayPal. Check your account settings.
10550	Invalid Configuration	This transaction cannot be processed.	Access to Direct Payment was disabled for your account. Contact PayPal for more information.
10561	Invalid Data	There's an error with this transaction. Please enter complete billing address.	
10565	Merchant country unsupported	The merchant country is not supported.	
10709	Invalid Data	There's an error with this transaction. Please enter an address1 in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.

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Error Code	Short Message	Long Message	Additional Information
10710	Invalid Data	There's an error with this transaction. Please enter a city in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10711	Invalid Data	There's an error with this transaction. Please enter your state in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10712	Invalid Data	There's an error with this transaction. Please enter your five digit postal code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10713	Invalid Data	There's an error with this transaction. Please enter a country in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10744	Invalid Data	This transaction cannot be processed. Please enter a valid country code in the billing address.	There was a problem with a particular field in the address. The long error message will tell you what field is invalid.
10748	Invalid Data	This transaction cannot be processed without a Credit Card Verification Number.	The merchant's configuration requires a CVV to be entered, but no CVV was provided with this transaction. Contact PayPal if you wish to change this setting.
10751	Invalid Data	There's an error with this transaction. Please enter a valid state in the billing address.	The merchant provided an address either in the United States or Canada, but the state provided is not a valid state in either country.
10752	Gateway Decline	This transaction cannot be processed.	The transaction was declined by the issuing bank, not PayPal. The merchant should attempt another card.
10760	Invalid Configuration	This transaction cannot be processed. The country listed for your business address is not currently supported.	The merchant's country of residence listed in their PayPal account is not currently supported to allow Direct Payment transactions.
11089	Transaction Refused.	Account is locked or inactive.	

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Error Code	Short Message	Long Message	Additional Information
11501	Invalid merchant country	The merchant's country is currently not supported	Missing token
11502	The token is missing or is invalid	The token is missing or is invalid	One or more subscription detail fields are missing from the request.
11503	Missing subscription details	Missing subscription details	One or more schedule detail fields are missing from the request.
11504	Missing schedule details	Missing schedule details	
11505	Start date should be greater than current date	Subscription start date should be greater than current date	
11506	Invalid max failed payments	Max failed payments, if supplied, must be >= 0	
11507	Invalid trial amount	Trial amount must be >= 0	
11508	Invalid trial total billing cycles	Trial total billing cycles must be > 0	
11509	Invalid trial billing period	Trial billing period must be one of Day, Week, Month, SemiMonth, or Year	
11510	Invalid trial amount	Trial amount must be >= 0	
11511	Invalid currency for trial amount	This currency is currently not supported for trial amount.	Currency must be USD.
11512	Invalid trial shipping amount	Trial shipping amount must be >= 0	If a trial shipping amount is supplied, it must be >= 0.
11513	Invalid currency for trial shipping amount	This currency is currently not supported for trial shipping amount	Currency must be USD.
11514	Invalid profile status	The profile status is invalid.	
11515	Invalid currency for trial tax amount	This currency is currently not supported for trial tax amount	Currency must be USD.
11516	Invalid billing frequency	Billing Frequency must be > 0 and be less than or equal to one year	The combination of billing frequency and billing period cannot exceed one year.
11517	Invalid total billing cycles	Total billing cycles must be >= 0 (0 means continuous)	
11518	Invalid billing period	Billing period must be one of Day, Week, Month, SemiMonth, or Year	
11519	Invalid amount	Bill amount must be greater than 0	

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Error Code	Short Message	Long Message	Additional Information
11520	Invalid currency for amount	This currency is currently not supported for amount	Currency must be USD.
11521	Invalid shipping amount	Shipping amount must be >= 0	
11522	Invalid currency for shipping amount	This currency is currently not supported for shipping amount	Currency must be USD.
11523	Invalid tax amount	Tax amount must be >= 0	
11524	Invalid currency for tax amount	This currency is currently not supported for tax amount	Currency must be USD.
11531	Invalid profile status	The profile status must be one of (A)ctive, (C)ancelled, or e(X)pired	
11543	Invalid payer country	The payer's country is currently not supported	
11544	Invalid period status	The trial period status must be one of (A)ctive or (C)ancelled	
11545	Denied	Payer's account is denied	
11546	Denied	Merchant account is denied	
11547	This feature is not available at this time	Recurring payments feature is not currently available; try again later	
11548	Invalid currency code	Invalid currency code, all currency codes much match	
11549	Start Date is required	Subscription start date is required	
11550	Start Date should be valid	Subscription start date should be valid	
11551	Profile ID is missing from the request	Profile ID is missing from the request	
11552	Invalid profile ID	The profile ID is invalid	
11553	Invalid action value provided	Invalid action value provided	
11554	Note is missing from the request	Note is missing from the request	
11555			
11556	Invalid profile status for cancel action; profile should be active or suspended	Invalid profile status for suspend action; profile should be active	

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Error Code	Short Message	Long Message	Additional Information
11557	Invalid profile status for suspend action; profile should be active	Invalid profile status for reactivate action; profile should be suspended	
11558	Invalid profile status for reactivate action; profile should be suspended	The activation type is invalid	
11560	Invalid activation type	The activation type is invalid	
11561	Invalid initial amount	The initial amount is invalid	
11562	Invalid auto bill type	The auto bill type is invalid	
11564	The number of failed payments should be greater than the current number of failed payments	The number of failed payments should be greater than the current number of failed payments	
11567	The time of the update is too close to the billing date	The time of the update is too close to the billing date	
11568	Invalid currency for delinquent amount	Invalid currency for delinquent amount	
11569	Cannot increase delinquent amount	Cannot increase delinquent amount	
11570	The maximum number of failed payments should be greater than the current number of failed payments	The maximum number of failed payments should be greater than the current number of failed payments	
11571	The total amount cannot exceed 120% increment per 180 days	The total amount cannot exceed 120% increment per 180 days	
11576	Bill amount is greater than outstanding balance	Bill amount is greater than outstanding balance	
11577	Another outstanding payment is scheduled	Another outstanding payment is scheduled	
11578	Bill outstanding amount not processed because of scheduled payment	Recurring payment scheduled within 24 hours, so we are not processing the bill outstanding amount	
11579	Payment is failing	Payment is failing	
11581	Invalid Data	Profile description is invalid.	
11582	No payment in queue	No scheduled payment has been found.	

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Error Code	Short Message	Long Message	Additional Information
11583	DPRP feature is unavailable	DPRP feature is unavailable	
11584	Inactive profile	Profile is not active	
11585	Missing Token or buyer credit card	Missing token or payment source	
11586	DPRP is disabled	DPRP is disabled for this merchant.	
11587	Billing Address is Partial	Billing Address is Partial	
11590	Profile update is not required	Based on your input request, profile already up to date.	
11592	Subscription profiles are not supported for recurring payments	Subscription profiles are not supported for recurring payments	
13701	Invalid Data	Item Category value is invalid. Only Digital or Physical are allowed.	Scenario: When merchant passes an item category value other than Digital or Physical.
15004	Gateway Decline	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	

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SetCustomerBillingAgreement Errors

SetCustomerBillingAgreement Errors

Error Code	Short Message	Long Message	Additional Information
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid argument; BillingType input field is set to None	
10404	Transaction refused because of an invalid argument. See additional error messages for details.	ReturnURL is missing.	ReturnURL tag has no content
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid value for request billing address parameter.	
10405	Transaction refused because of an invalid argument. See additional error messages for details.	CancelURL is missing.	CancelURL tag has no content
10407	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid buyer email address (BuyerEmail).	Invalid BuyerEmail (badly formatted or violates SMTP protocol defined email address format) or BuyerEmail is passed as an empty tag.
10436	Transaction refused because of an invalid argument. See additional error messages for details.	PageStyle value exceeds maximum allowable length.	PageStyle tag is too long
10437	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-image value exceeds maximum allowable length.	cpp_header_image tag is too long; maximum length is 127
10438	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-border-color value exceeds maximum allowable length.	cpp_header_border_color tag is too long; maximum length is 6
10439	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-header-back-color value exceeds maximum allowable length.	cpp_header_back_color tag is too long; maximum length is 6

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Error Code	Short Message	Long Message	Additional Information
10440	Transaction refused because of an invalid argument. See additional error messages for details.	cpp-payflow-color value exceeds maximum allowable length.	cpp_payflow_color tag is too long; maximum length is 6
10471	Transaction refused because of an invalid argument. See additional error messages for details.	ReturnURL is invalid.	ReturnURL tag contains invalid URL
10472	Transaction refused because of an invalid argument. See additional error messages for details.	CancelURL is invalid.	CancelURL tag contains invalid URL
10476	Transaction refused because of an invalid argument. See additional error messages for details.		
10477	Transaction refused because of an invalid argument. See additional error messages for details.		
11452	Merchant not enabled for reference transactions	Merchant not enabled for reference transactions	This merchant is not enabled for Mark reference transaction. Warning only
11453	Reference transactions temporarily unavailable.	Reference transaction feature not currently available; try again later	Feature not enabled because system is running in standin mode. Warning only
11601	Request for billing address failed	Billing address request is not enabled for merchant	
11602	Request for billing address failed	Feature not yet available	

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GetBillingAgreementCustomerDetails Errors

GetBillingAgreementCustomerDetails Errors

Error Code	Short Message	Long Message	Additional Information
10408	Missing token	Token is missing	Token is missing
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	Token belongs to a different merchant
10410	Invalid token	Invalid token	Token invalid
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	Token expired

CreateBillingAgreement Errors

CreateBillingAgreement Errors

Error Code	Short Message	Long Message	Additional Information
10408	Missing token	Token is missing	Token is missing
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	Token belongs to a different merchant
10410	Invalid token	Invalid token	Token invalid
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	Token expired
11455	Buyer did not accept billing agreement	Buyer did not accept billing agreement	Buyer has not agreed to the billing agreement.
11456	A successful Billing Agreement has already been created for this token.	Transaction refused because of an invalid argument. See additional error messages for details.	Token has already been used to create a billing agreement
10408	Missing token	Token is missing	Token is missing
10409	You're not authorized to access this info.	Express Checkout token was issued for a merchant account other than yours.	Token belongs to a different merchant
10410	Invalid token	Invalid token	Token invalid

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Error Code	Short Message	Long Message	Additional Information
10411	This Express Checkout session has expired.	This Express Checkout session has expired. Token value is no longer valid.	Token expired

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UpdateBillingAgreement Errors

UpdateBillingAgreement Errors

Error Code	Short Message	Long Message	Additional Information
10001	Internal Error	Internal Error	
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid argument; description field or custom field is empty and the status is active	Check the description and custom fields of the billing agreement. Either the description or custom field is empty and the status is active or the contents of one of these fields exceeds the maximum field length.
10201	Billing Agreement was cancelled	Billing Agreement was cancelled	Billing agreement has been cancelled
10204	User's account is closed or restricted	User's account is closed or restricted	
10209	Disabled	Preapproved Payments not enabled.	Merchant pull is not enabled for the country or merchant is not enabled for merchant pull
10209	Disabled	Preapproved Payments not enabled.	Account number mismatch for the API caller and the account the billing agreement belongs to.
10211	Invalid billing agreement ID	Invalid transaction or billing agreement ID; could not find Billing Agreement in database	
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	ReferenceID field is empty.
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Reference id refers to an invalid transaction.
11452	Merchant not enabled for reference transactions	Merchant not enabled for reference transactions	This merchant is not enabled for Mark reference transaction

DoReferenceTransaction Errors

All Reference Transactions-Related API Errors

Error Code	Short Message	Long Message	Additional Information
10001	Internal Error	Internal Error	

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Error Code	Short Message	Long Message	Additional Information
10002	Authentication/Authorization Failed		
10003	Missing argument	Item name, amount and quantity are required if item category is provided.	Scenario: Merchant passes item category as either Digital or Physical but does not also pass one of the following parameters: name, amount, or quantity.
10004	Transaction refused because of an invalid argument. See additional error messages for details.	You are not signed up to accept payment for digitally delivered goods.	Scenario: Merchant is not signed up for digital goods but passes item category as Digital.
10004	Cart item calculation mismatch.	Cart item calculation mismatch. The regular non-trial billing period amount is different than the sum of the amounts for each item in the cart.	Scenario: When the regular non-trial billing period amount is different than the sum of the amounts for each item in the cart
10004	Tax calculation mismatch.	Tax calculation mismatch. The tax amount for the regular non-trial billing period is different than the sum of the tax for each item in the cart.	Scenario: When the regular non-trial billing period is different than the sum of the tax for each item in the cart.
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid payment type argument	
10009	Transaction refused	The account for the counterparty is locked or inactive	Merchant is locked/close/restricted
10010	Invalid Invoice	Non-ASCII invoice id is not supported	Non-ASCII characters are used in InvoiceID field
10201	Agreement canceled	Billing Agreement was cancelled	Billing agreement is not active
10202	Exceed max	Transaction would exceed user's monthly maximum	Transaction would exceed the monthly limit
10203	Action required	Transaction failed, action required by user	
10204	User's account is closed or restricted	User's account is closed or restricted	
10205	Risk	Transaction refused due to risk model	
10206	Duplicate	Transaction was already processed	

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Error Code	Short Message	Long Message	Additional Information
10207	Retry	Transaction failed but user has alternate funding source	Retry the transaction with an alternate funding source.
10209	Disabled	Preapproved Payments not enabled.	Merchants is not enabled for preapproved payments (PAP); applies only to legacy PAP billing agreements
10210	No Funding	Transaction failed because has no funding sources	Payee has no funding sources.
10211		Invalid MP ID	Invalid MP ID
10212	Profile preference setting	A profile preference is set to automatically deny certain transactions	A profile preference is set that automatically denies this kind of transaction
10213	Invalid Soft Descriptor	The soft descriptor passed in contains invalid characters	
10214			Soft descriptor format error.
10215	Soft Descriptor truncated	The soft descriptor was truncated	
10216			Transaction refused because a confirmed address is not available
10400	Transaction refused because of an invalid argument. See additional error messages for details.	Order total is missing.	TotalOrder amount is missing
10401	Transaction refused because of an invalid argument. See additional error messages for details.	Order total is invalid.	TotalOrder amount is invalid
10402	Authorization only is not allowed for merchant.	This merchant account is not permitted to set PaymentAction? to Authorization. Please contact Customer Service.	Merchant is not eligible for auth settlement
10406	Transaction refused because of an invalid argument. See additional error messages for details.	The PayerID? value is invalid.	Merchant account number is invalid
10412	Duplicate invoice	Payment has already been made for this InvoiceID?.	Payment already made for the invoice

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Error Code	Short Message	Long Message	Additional Information
10413	Transaction refused because of an invalid argument. See additional error messages for details.	The totals of the cart item amounts do not match order amounts.	Total of cart items does not match order total
10414	Transaction refused because of an invalid argument. See additional error messages for details.	The amount exceeds the maximum amount for a single transaction.	Amount exceeds the max amount for a single txn
10417	Transaction cannot complete.	The transaction cannot complete successfully. Instruct the customer to use an alternative payment method.	Account not associated with a usable funding source
10417	Transaction cannot complete.	The transaction cannot complete successfully. Instruct the customer to use an alternative payment method.	Credit card or Billing Agreement is required to complete payment
10418	Transaction refused because of an invalid argument. See additional error messages for details.	The currencies of the shopping cart amounts must be the same.	Currencies in the shopping cart must be the same
10420	Transaction refused because of an invalid argument. See additional error messages for details.	PaymentAction? tag is missing.	PaymentAction? tag is missing.
10426	Transaction refused because of an invalid argument. See additional error messages for details.	Item total is invalid.	ItemTotal amount is invalid.
10427	Transaction refused because of an invalid argument. See additional error messages for details.	Shipping total is invalid.	ShippingTotal amount is invalid.
10428	Transaction refused because of an invalid argument. See additional error messages for details.	Handling total is invalid.	HandlingTotal amount is invalid
10429	Transaction refused because of an invalid argument. See additional error messages for details.	Tax total is invalid.	TaxTotal amount is invalid.

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Error Code	Short Message	Long Message	Additional Information
10429	Transaction refused because of an invalid argument. See additional error messages for details.	Item sales tax is invalid	PaymentDetailsItem.Tax field is invalid. Warning only; API executes
10430	Transaction refused because of an invalid argument. See additional error messages for details.	Item amount is missing.	PaymentDetailsItem.Amount field is missing. Warning only; API executes
10431	Transaction refused because of an invalid argument. See additional error messages for details.	Item amount is invalid.	PaymentDetailsItem.Amount field is invalid. Warning only; API executes
10432	Transaction refused because of an invalid argument. See additional error messages for details.	Invoice ID value exceeds maximum allowable length.	InvoiceID field is too long; maximum length is 256
10433	Transaction refused because of an invalid argument. See additional error messages for details.	Value of OrderDescription element has been truncated.	OrderDescription field is too long; maximum length is 127. Warning only; API executes
10434	Transaction refused because of an invalid argument. See additional error messages for details.	Value of Custom element has been truncated.	Custom field is too long; maximum length is 256. Warning only; API executes
10441	Transaction refused because of an invalid argument. See additional error messages for details.	The NotifyURL element value exceeds maximum allowable length.	NotifyURL field is too long; maximum length for notify URL is 2048
10442	ButtonSource value truncated.	The ButtonSource element value exceeds maximum allowable length.	ButtonSource field is too long; maximum length is 32. Warning only; API executes
10504	The cvv2 is invalid.	This transaction cannot be processed. Please enter a valid Credit Card Verification Number.	CVV2 field is invalid.
10527	Invalid Data	This transaction cannot be processed. Please enter a valid credit card number and type.	CreditCardNumber and/or CreditCardType is invalid
10537	Risk Control Country Filter Failure	The transaction was refused because the country was prohibited as a result of your Country Monitor Risk Control Settings.	Transaction refused due to country monitor risk control

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Error Code	Short Message	Long Message	Additional Information
10538	Risk Control Max Amount Failure	The transaction was refused because the maximum amount was excused as a result of your Maximum Amount Risk Control Settings.	Transaction refused due to max amount risk control
10539	Payment declined by your Risk Controls settings: PayPal Risk Model.	Payment declined by your Risk Controls settings: PayPal Risk Model.	Transaction declined by Risk Control settings: PayPal Risk model
10546	Gateway Decline	This transaction cannot be processed.	IP fraud models failed.
10560	Invalid Data	The issue number of the credit card is invalid.	IssueNumber is invalid.
10567	Invalid Data	A Start Date or Issue Number is required.	None of Start date or issue number is specified (only applies to Switch and Solo credit cards)
10600	Authorization voided	Authorization voided.	
10601	Authorization expired.	Authorization has expired	
10621	Order has expired.	Order has expired.	
10622	Order is voided.	Order is voided.	
10623	Maximum number of authorization allowed for the order is reached.	Maximum number of authorization allowed for the order is reached.	
10725	Shipping Address Country Error	There was an error in the Shipping Address Country field	Shipping address error in country field
10727	Shipping Address1 Empty	The field Shipping Address1 is required	Shipping address error in address1 field
10728	Shipping Address City Empty	The field Shipping Address City is required	Shipping address error in city field
10729	Shipping Address State Empty	The field Shipping Address State is required	Shipping address error in state field
10730	Shipping Address Postal Code Empty	The field Shipping Address Postal Code is required	Shipping address error in postal code
10731	Shipping Address Country Empty	The field Shipping Address Country is required	Country code is empty in shipping address
10736	Shipping Address Invalid City State Postal Code	A match of the Shipping Address City, State, and Postal Code failed.	Match of shipping address, city, state, and postal code failed.

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Error Code	Short Message	Long Message	Additional Information
10747	Invalid Data	This transaction cannot be processed without a valid IP address.	IPAddress field is invalid.
10748	Invalid Data	This transaction cannot be processed without a Credit Card Verification number.	CVV2 field is missing.
10755	Unsupported Currency.	This transaction cannot be processed due to an unsupported currency.	
11302	Cannot pay self	The transaction was refused because you cannot send money to yourself.	Cannot pay self. Merchant is referencing own transaction.
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Invalid reference id
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Reference transaction is not associated with a billing agreement.
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Reference id either not found or could not be decrypted
11451	Billing Agreement Id or transaction Id is not valid	Billing Agreement Id or transaction Id is not valid	Reference id either not found or could not be decrypted
11452	Merchant not enabled for reference transactions	Merchant not enabled for reference transactions	This merchant is not enabled for Mark reference transaction
11453	Reference transactions temporarily unavailable.	Reference transaction feature not currently available; try again later	Feature wired off
11453	Reference transactions temporarily unavailable.	Reference transaction feature not currently available; try again later	Feature not supported in standin
11454	Warning: Could not send email to the buyer	Warning: Could not send email to the buyer	Failed to send email to buyer. This error is not fatal and generates a warning.
11459	Invalid Data	The shipping address must match the user's address in the PayPal account.	The shipping address on file does not match the requested shipping address.
11610	Payment Pending your review in Fraud Management Filters	Payment Pending your review in Fraud Management Filters	
11611	Transaction blocked by your settings in FMF	Transaction blocked by your settings in FMF	

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Error Code	Short Message	Long Message	Additional Information
11612	Could not process your request to accept/deny the transaction	Could not process your request to accept/deny the transaction	
13701	Invalid Data	Item Category value is invalid. Only Digital or Physical are allowed.	Scenario: When merchant passes an item category value other than Digital or Physical.
18014	Gateway Decline	This transaction cannot be processed.	This transaction cannot be processed without a Credit Card Verification number.

AddressVerify API Errors

AddressVerify API Errors

Error Code	Short Message	Long Message
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid email format
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid street format
10004	Transaction refused because of an invalid argument. See additional error messages for details.	Invalid zip format
10009	The API is disabled.	The Address API is currently disabled

ManagePendingTransactionStatus API Errors

ManagePendingTransactionStatus API Errors

Error Code	Short Message	Long Message
11614	Could not process your request to accept/deny the transaction	Could not process your request to accept/deny the transaction
11614	The transaction has already been Accepted/Denied and the status cannot be changed	The transaction has already been Accepted/Denied and the status cannot be changed

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B Countries and Regions Supported by PayPal

PayPal uses 2-character IS0-3166-1 codes for specifying countries and regions that are supported in fields and variables.

Country or Region	Country or Region Code
AFGHANISTAN	AF
ÅLAND ISLANDS	AX
ALBANIA	AL
ALGERIA	DZ
AMERICAN SAMOA	AS
ANDORRA	AD
ANGOLA	AO
ANGUILLA	AI
ANTARCTICA	AQ
ANTIGUA AND BARBUDA	AG
ARGENTINA	AR
ARMENIA	AM
ARUBA	AW
AUSTRALIA	AU
AUSTRIA	AT
AZERBAIJAN	AZ
BAHAMAS	BS
BAHRAIN	BH
BANGLADESH	BD
BARBADOS	BB
BELARUS	BY
BELGIUM	BE
BELIZE	BZ
BENIN	BJ
BERMUDA	BM

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Country or Region	Country or Region Code
BHUTAN	BT
BOLIVIA	BO
BOSNIA AND HERZEGOVINA	BA
BOTSWANA	BW
BOUVET ISLAND	BV
BRAZIL	BR
BRITISH INDIAN OCEAN TERRITORY	IO
BRUNEI DARUSSALAM	BN
BULGARIA	BG
BURKINA FASO	BF
BURUNDI	BI
CAMBODIA	KH
CAMEROON	CM
CANADA	CA
CAPE VERDE	CV
CAYMAN ISLANDS	KY
CENTRAL AFRICAN REPUBLIC	CF
CHAD	TD
CHILE	CL
CHINA	CN
CHRISTMAS ISLAND	CX
COCOS (KEELING) ISLANDS	CC
COLOMBIA	CO
COMOROS	KM
CONGO	CG
CONGO, THE DEMOCRATIC REPUBLIC OF	CD
COOK ISLANDS	CK
COSTA RICA	CR
COTE D'IVOIRE	CI
CROATIA	HR
CUBA	CU

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Country or Region	Country or Region Code
CYPRUS	CY
CZECH REPUBLIC	CZ
DENMARK	DK
DJIBOUTI	DJ
DOMINICA	DM
DOMINICAN REPUBLIC	DO
ECUADOR	EC
EGYPT	EG
EL SALVADOR	SV
EQUATORIAL GUINEA	GQ
ERITREA	ER
ESTONIA	EE
ETHIOPIA	ET
FALKLAND ISLANDS (MALVINAS)	FK
FAROE ISLANDS	FO
FIJI	FJ
FINLAND	FI
FRANCE	FR
FRENCH GUIANA	GF
FRENCH POLYNESIA	PF
FRENCH SOUTHERN TERRITORIES	TF
GABON	GA
GAMBIA	GM
GEORGIA	GE
GERMANY	DE
GHANA	GH
GIBRALTAR	GI
GREECE	GR
GREENLAND	GL
GRENADA	GD
GUADELOUPE	GP

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Country or Region	Country or Region Code
GUAM	GU
GUATEMALA	GT
GUERNSEY	GG
GUINEA	GN
GUINEA-BISSAU	GW
GUYANA	GY
HAITI	HT
HEARD ISLAND AND MCDONALD ISLANDS	HM
HOLY SEE (VATICAN CITY STATE)	VA
HONDURAS	HN
HONG KONG	HK
HUNGARY	HU
ICELAND	IS
INDIA	IN
INDONESIA	ID
IRAN, ISLAMIC REPUBLIC OF	IR
IRAQ	IQ
IRELAND	IE
ISLE OF MAN	IM
ISRAEL	IL
ITALY	IT
JAMAICA	JM
JAPAN	JP
JERSEY	JE
JORDAN	JO
KAZAKHSTAN	KZ
KENYA	KE
KIRIBATI	KI
KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF	KP
KOREA, REPUBLIC OF	KR
KUWAIT	KW

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Country or Region	Country or Region Code
KYRGYZSTAN	KG
LAO PEOPLE'S DEMOCRATIC REPUBLIC	LA
LATVIA	LV
LEBANON	LB
LESOTHO	LS
LIBERIA	LR
LIBYAN ARAB JAMAHIRIYA	LY
LIECHTENSTEIN	LI
LITHUANIA	LT
LUXEMBOURG	LU
MACAO	MO
MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF	MK
MADAGASCAR	MG
MALAWI	MW
MALAYSIA	MY
MALDIVES	MV
MALI	ML
MALTA	MT
MARSHALL ISLANDS	MH
MARTINIQUE	MQ
MAURITANIA	MR
MAURITIUS	MU
MAYOTTE	YT
MEXICO	MX
MICRONESIA, FEDERATED STATES OF	FM
MOLDOVA, REPUBLIC OF	MD
MONACO	MC
MONGOLIA	MN
MONTSERRAT	MS
MOROCCO	MA
MOZAMBIQUE	MZ

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Country or Region	Country or Region Code
MYANMAR	MM
NAMIBIA	NA
NAURU	NR
NEPAL	NP
NETHERLANDS	NL
NETHERLANDS ANTILLES	AN
NEW CALEDONIA	NC
NEW ZEALAND	NZ
NICARAGUA	NI
NIGER	NE
NIGERIA	NG
NIUE	NU
NORFOLK ISLAND	NF
NORTHERN MARIANA ISLANDS	MP
NORWAY	NO
OMAN	OM
PAKISTAN	PK
PALAU	PW
PALESTINIAN TERRITORY, OCCUPIED	PS
PANAMA	PA
PAPUA NEW GUINEA	PG
PARAGUAY	PY
PERU	PE
PHILIPPINES	PH
PITCAIRN	PN
POLAND	PL
PORTUGAL	PT
PUERTO RICO	PR
QATAR	QA
REUNION	RE
ROMANIA	RO

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Country or Region	Country or Region Code
RUSSIAN FEDERATION	RU
RWANDA	RW
SAINT HELENA	SH
SAINT KITTS AND NEVIS	KN
SAINT LUCIA	LC
SAINT PIERRE AND MIQUELON	PM
SAINT VINCENT AND THE GRENADINES	VC
SAMOA	WS
SAN MARINO	SM
SAO TOME AND PRINCIPE	ST
SAUDI ARABIA	SA
SENEGAL	SN
SERBIA AND MONTENEGRO	CS
SEYCHELLES	SC
SIERRA LEONE	SL
SINGAPORE	SG
SLOVAKIA	SK
SLOVENIA	SI
SOLOMON ISLANDS	SB
SOMALIA	SO
SOUTH AFRICA	ZA
SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	GS
SPAIN	ES
SRI LANKA	LK
SUDAN	SD
SURINAME	SR
SVALBARD AND JAN MAYEN	SJ
SWAZILAND	SZ
SWEDEN	SE
SWITZERLAND	CH
SYRIAN ARAB REPUBLIC	SY

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Country or Region	Country or Region Code
TAIWAN, PROVINCE OF CHINA	TW
TAJIKISTAN	TJ
TANZANIA, UNITED REPUBLIC OF	TZ
THAILAND	TH
TIMOR-LESTE	TL
TOGO	TG
TOKELAU	TK
TONGA	TO
TRINIDAD AND TOBAGO	TT
TUNISIA	TN
TURKEY	TR
TURKMENISTAN	TM
TURKS AND CAICOS ISLANDS	TC
TUVALU	TV
UGANDA	UG
UKRAINE	UA
UNITED ARAB EMIRATES	AE
UNITED KINGDOM	GB
UNITED STATES	US
UNITED STATES MINOR OUTLYING ISLANDS	UM
URUGUAY	UY
UZBEKISTAN	UZ
VANUATU	VU
VENEZUELA	VE
VIET NAM	VN
VIRGIN ISLANDS, BRITISH	VG
VIRGIN ISLANDS, U.S.	VI
WALLIS AND FUTUNA	WF
WESTERN SAHARA	EH
YEMEN	YE
ZAMBIA	ZM

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Country or Region	Country or Region Code
ZIMBABWE	ZW

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C State and Province Codes

Canadian Province or U.S. State	Abbreviation
Alberta	AB
British Columbia	BC
Manitoba	MB
New Brunswick	NB
Newfoundland and Labrador	NL
Northwest Territories	NT
Nova Scotia	NS
Nunavut	NU
Ontario	ON
Prince Edward Island	PE
Quebec	QC
Saskatchewan	SK
Yukon	YT
Alabama	AL
Alaska	AK
American Samoa	AS
Arizona	AZ
Arkansas	AR
California	CA
Colorado	CO
Connecticut	CT
Delaware	DE
District of Columbia	DC
Federated States of Micronesia	FM
Florida	FL
Georgia	GA

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Canadian Province or U.S. State	Abbreviation
Guam	GU
Hawaii	HI
Idaho	ID
Illinois	IL
Indiana	IN
Iowa	IA
Kansas	KS
Kentucky	KY
Louisiana	LA
Maine	ME
Marshall Islands	MH
Maryland	MD
Massachusetts	MA
Michigan	MI
Minnesota	MN
Mississippi	MS
Missouri	MO
Montana	MT
Nebraska	NE
Nevada	NV
New Hampshire	NH
New Jersey	NJ
New Mexico	NM
New York	NY
North Carolina	NC
North Dakota	ND
Northern Mariana Islands	MP
Ohio	OH
Oklahoma	OK
Oregon	OR
Palau	PW

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Canadian Province or U.S. State	Abbreviation
Pennsylvania	PA
Puerto Rico	PR
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Vermont	VT
Virgin Islands	VI
Virginia	VA
Washington	WA
West Virginia	WV
Wisconsin	WI
Wyoming	WY
Armed Forces Americas	AA
Armed Forces	AE
Armed Forces Pacific	AP

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D Currency Codes

PayPal uses 3-character ISO-4217 codes for specifying currencies in fields and variables.

Currencies and Currency Codes Supported by PayPal

Currency	Currency Code
Australian Dollar	AUD
Brazilian Real **NOTE:** This currency is supported as a payment currency and a currency balance for in-country PayPal accounts only.	BRL
Canadian Dollar	CAD
Czech Koruna	CZK
Danish Krone	DKK
Euro	EUR
Hong Kong Dollar	HKD
Hungarian Forint	HUF
Israeli New Sheqel	ILS
Japanese Yen	JPY
Malaysian Ringgit **NOTE:** This currency is supported as a payment currency and a currency balance for in-country PayPal accounts only.	MYR
Mexican Peso	MXN
Norwegian Krone	NOK
New Zealand Dollar	NZD
Philippine Peso	PHP
Polish Zloty	PLN
Pound Sterling	GBP
Singapore Dollar	SGD
Swedish Krona	SEK
Swiss Franc	CHF
Taiwan New Dollar	TWD

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Currency	Currency Code
Thai Baht	THB
Turkish Lira	TRY
U.S. Dollar	USD

Currencies and Currency Codes Supported by Express Checkout and Direct Payment

Express Checkout Currency	Currency Code	Direct Payment Currency for Specified Card in United States	Direct Payment Currency for Specified Card in United Kingdom	Direct Payment Currency for Specified Card in Canada
Australian Dollar	AUD	Visa, MasterCard	Visa, MasterCard	Visa, MasterCard
Canadian Dollar	CAD	Visa, MasterCard	Visa, MasterCard	Visa, MasterCard
Czech Koruna	CZK		Visa, MasterCard	Visa, MasterCard
Danish Krone	DKK		Visa, MasterCard	Visa, MasterCard
Euro	EUR	Visa, MasterCard	Visa, MasterCard	Visa, MasterCard
Hungarian Forint	HUF		Visa, MasterCard	Visa, MasterCard
Japanese Yen	JPY	Visa, MasterCard	Visa, MasterCard	Visa, MasterCard
Norwegian Krone	NOK		Visa, MasterCard	Visa, MasterCard
New Zealand Dollar	NZD		Visa, MasterCard	Visa, MasterCard
Polish Zloty	PLN		Visa, MasterCard	Visa, MasterCard
Pound Sterling	GBP	Visa, MasterCard	Visa, MasterCard, Maestro, Solo	Visa, MasterCard
Singapore Dollar	SGD		Visa, MasterCard	Visa, MasterCard
Swedish Krona	SEK		Visa, MasterCard	Visa, MasterCard
Swiss Franc	CHF		Visa, MasterCard	Visa, MasterCard
U.S. Dollar	USD	Visa, MasterCard, Discover, American Express	Visa, MasterCard	Visa, MasterCard

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E AVS and CVV2 Response Codes

- "AVS Response Codes" on page 349
- "CVV2 Response Codes" on page 350

AVS Response Codes

- "AVS Response Codes for Visa, MasterCard, Discover, and American Express" on page 349
- "AVS Response Codes for Maestro and Solo" on page 350

AVS Response Codes for Visa, MasterCard, Discover, and American Express

AVS Code	Meaning	Matched Details
A	Address	Address only (no ZIP)
B	International "A"	Address only (no ZIP)
C	International "N"	None **NOTE:** The transaction is declined.
D	International "X"	Address and Postal Code
E	Not allowed for MOTO (Internet/Phone) transactions	Not applicable **NOTE:** The transaction is declined.
F	UK-specific "X"	Address and Postal Code
G	Global Unavailable	Not applicable
I	International Unavailable	Not applicable
N	No	None **NOTE:** The transaction is declined.
P	Postal (International "Z")	Postal Code only (no Address)
R	Retry	Not applicable
S	Service not Supported	Not applicable
U	Unavailable	Not applicable

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AVS Code	Meaning	Matched Details
W	Whole ZIP	Nine-digit ZIP code (no Address)
X	Exact match	Address and nine-digit ZIP code
Y	Yes	Address and five-digit ZIP
Z	ZIP	Five-digit ZIP code (no Address)
All others	Error	Not applicable

AVS Response Codes for Maestro and Solo

AVS Code	Meaning	Matched Details
0	All the address information matched.	All information matched
1	None of the address information matched.	None **NOTE:** The transaction is declined.
2	Part of the address information matched.	Partial
3	The merchant did not provide AVS information. Not processed.	Not applicable
4	Address not checked, or acquirer had no response. Service not available.	Not applicable
Null	No AVS response was obtained. Default value of field.	Not applicable

CVV2 Response Codes

- "CVV2 Response Codes for Visa, MasterCard, Discover, and American Express" on page 350
- "CVV2 Response Codes for Maestro and Solo" on page 351

CVV2 Response Codes for Visa, MasterCard, Discover, and American Express

CVV2 Code	Meaning	Matched Details
M	Match	CVV2CSC
N	No match	None

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CVV2 Code	Meaning	Matched Details
P	Not processed	Not applicable
S	Service not supported	Not applicable
U	Service not available	Not applicable
X	No response	Not applicable

CVV2 Response Codes for Maestro and Solo

CVV2 Code	Meaning	Matched Details
0	Matched	CVV2
1	No match	None
2	The merchant has not implemented CVV2 code handling	Not applicable
3	Merchant has indicated that CVV2 is not present on card	Not applicable
4	Service not available	Not applicable
All others	Error	Not applicable

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About Previous Versions of the API

Previous versions of the API can still be used; however, PayPal recommends using the latest version whenever possible. Unless specifically specified, API operations default to the latest version.

What's New in Version 69

New PaymentDetailsItemType Structure in CreateRecurringPaymentsProfile Request

PaymentDetailsItemType Fields

Field	Description
`ItemCategory`	New field `ns:ItemCategoryType` Is one of the following values. Introduced in Version 69.0. • `Digital` • `Physical` For digital goods, this field is required and must be set to `Digital` to get the best rates.
`Name`	New field `xs:string` Item name. Introduced in Version 69.0. This field is required when `ItemCategory` is passed. Character length and limitations: 127 single-byte characters
`Description`	New field `xs:string` *(Optional)* Item description. Introduced in Version 69.0. Character length and limitations: 127 single-byte characters

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Field	Description
`Amount`	New field `ebl:BasicAmountType` Cost of item. Introduced in Version 69.0. This field is required when `ItemCategory` is passed. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`Number`	New field `xs:string` *(Optional)* Item number. Introduced in Version 69.0.
`Quantity`	New field `xs:integer` Item quantity. Introduced in Version 69.0. This field is required when `ItemCategory` is passed. Character length and limitations: Any positive integer
`Tax`	New field `ebl:BasicAmountType` *(Optional)* Item sales tax. Introduced in Version 69.0. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.

Changes to PaymentDetailsItemType in DoReferenceTransaction Request

PaymentDetailsItemType Fields

Field	Description
`ItemCategory`	New field `ns:ItemCategoryType` Is one of the following values. Introduced in Version 69.0. For digital goods, this field is required and must be set to `Digital` to get the best rates. • `Digital` • `Physical`

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Field	Description
Name	xs:string Item name. This field is required when ItemCategory is passed. Character length and limitations: 127 single-byte characters
Amount	ebl:BasicAmountType Cost of item. This field is required when ItemCategory is passed. **NOTE:** Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the currencyID attribute to one of the three-character currency codes for any of the supported PayPal currencies.
Quantity	xs:integer Item quantity. This field is required when ItemCategory is passed. Character length and limitations: Any positive integer

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What's New in Version 66

Changes to PaymentDetailsType in SetExpressCheckout and DoExpressCheckoutPayment Requests

PaymentDetailsType Fields

Field	Description
`ItemTotal`	`ebl:BasicAmountType` Sum of cost of all items in this order. For digital goods, this field is required. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`PaymentAction`	`ebl:PaymentActionCodeType` How you want to obtain payment. When implementing digital goods, this field is required and must be set to `Sale`.

Changes to PaymentDetailsItemTypein SetExpressCheckout and DoExpressCheckoutPayment Requests

PaymentDetailsItemType Fields

Field	Description
`ItemCategory`	`ns:ItemCategoryType` New field Is one of the following values. This field is available since version 65.1. For digital goods this field is required and must be set to `Digital`. • `Digital` • `Physical`
`Name`	`xs:string` Item name. For digital goods, this field is required. Introduced in Version 53.0. Character length and limitations: 127 single-byte characters
`Description`	`xs:string` Item description. For digital goods, this field is required. Introduced in Version 53.0. Character length and limitations: 127 single-byte characters

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Field	Description
`Amount`	`ebl:BasicAmountType` Cost of item. For digital goods, this field is required. Introduced in Version 53.0. Character length and limitations: Must not exceed $10,000 USD in any currency. No currency symbol. Regardless of currency, decimal separator must be a period (.), and the optional thousands separator must be a comma (,). Equivalent to nine characters maximum for USD. **NOTE:** You must set the `currencyID` attribute to one of the three-character currency codes for any of the supported PayPal currencies.
`Quantity`	`xs:integer` Item quantity. For digital goods, this field is required. Introduced in Version 53.0. Character length and limitations: Any positive integer

Changes to PaymentDetailsItemType in GetExpressCheckoutDetails Response

Field	Description
`ItemCategory`	`ns:ItemCategoryType` New field Is one of the following values. This field is available since version 65.1. For digital goods this field is required and must be set to `Digital`. • `Digital` • `Physical`

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Revision History

Date	Description
5 April 2011	Updated for 71.0. Added new fields to the DoExpressCheckout API response to return information about funds that are being held and the seller's encrypted account number.
8 March 2011	Updated for 69.0. Added more digital goods support to the CreateRecurringPaymentsProfile and DoReferenceTransaction APIs to enable the merchant to obtain the best rates for digital goods.
26 January 2011	Updated for 66.0. Describes changes to the ExpressCheckout API for implementing Digital Goods.
15 September 2010	Updated for 64.4, including addition of ProtectionEligibilityType field.
11 May 2010	Updated for 63.0. Added new NVP API fields to use in version 63.0 Express Checkout integrations. Deprecated old fields. Updated billing agreement API with functionality to obtain the latest billing address and to skip billing agreement creation. Added ReverseTransaction API.
10 March 2010	Updated information for 62.0: Describes Express Checkout fields recommended to be used in applications that enable implementing parallel payments for a marketplace.
21 January 2010	Updated information for 61.0: Added Express Checkout fields enabling you to provide gift and insurance options to the PayPal checkout pages.
7 October 2009	Updated information for 60.0: updated currency table with new currencies, and added Express Checkout API fields for Immediatee Payment and eBay.
16 June 2009	Updated information for 58.0: added GetPalDetails API and fields for payment review.
22 May 2009	Minor update to version 57.0; added `CreateBillingAgreement` to Enterprise edition.
08 April 2009	Updated information for 57.0: Express Checkout Callback API and error codes.
26 Nov. 2008	Updated information for 55.0.
23 Sept. 2008	Added information about using billing agreements with SetExpressCheckout.
3 Sept. 2008	Added information about payment review to GetTransactionDetails.
June 2008	Rearranged material, added error codes, and moved some material to the *Express Checkout Integration Guide*.
April 2008	Added Fraud Management Filters information. Changed recurring payments information.

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Date	Description
February 2008	Added that ther `VERSION` parameter must be **50.0** in the API call to use recurring payments.
January 2008	• Added billing agreement fields to SetExpressCheckout for recurring payments • Updated CreateRecurringPaymentsProfile for new recurring payments features. • Added new recurring payments APIs • Added DoNonReferencedCredit API
September 2007	• Update eBay auctions for Express Checkout section • Added fields for the giropay payment method to Express Checkout APIs • Added Direct Payment error 10571.
August 2007	Added recurring payments concepts, modified `SetExpressCheckout`, `DoExpressCheckoutPayment`, `DoReferenceTransaction`, and added additional `DoReferenceTransaction` error codes.
April 2007	Added Recurring Payments APIs: `SetCustomerBillingAgreement`, `GetBillingAgreementCustomerDetails`, and `CreateRecurringPaymentsProfile`.
February 2007	Bug fixes including updating Line Item Details for Direct Payment and Express Checkout APIs, changing some parameters to optional in `DoDirectPayment`, adding `SHIPTOCOUNTRYCODE`, and adding Switch/Solo codes for AVS and CVV2.
December 2006	Updates for bug fixes.
October 2006	First public release.
11 May 2010	Added new NVP API fields to use in version 63.0 Express Checkout integrations. Deprecated old fields. Updated billing agreement API with functionality to obtain the latest billing address and to skip billing agreement creation. Added ReverseTransaction API.

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